



United States
Department of
Agriculture

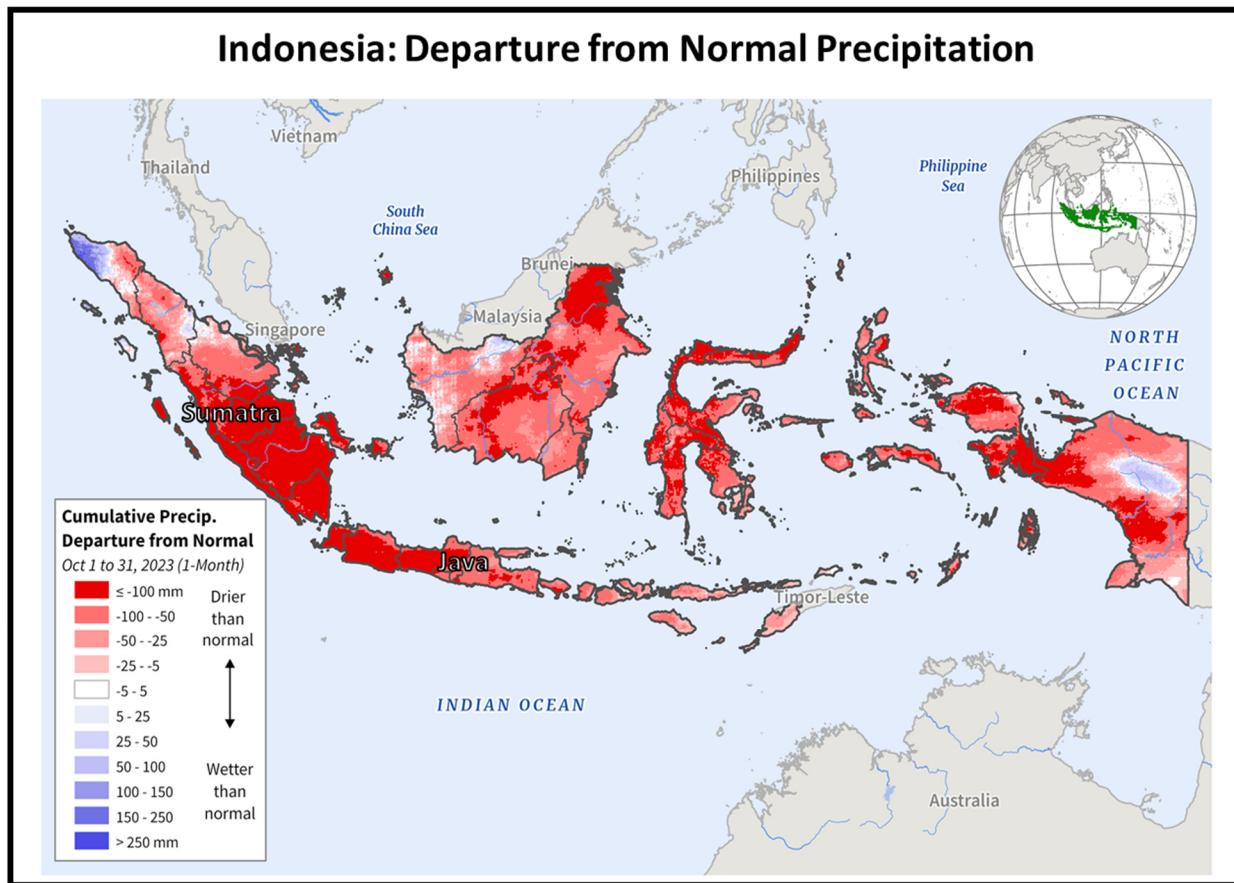
Foreign
Agricultural
Service

Circular Series
WAP 11-23
November 2023

World Agricultural Production

Indonesia Rice: Delayed Monsoon Reduces Rice Area Forecast for the Wet Season Crop

USDA forecasts Indonesia marketing year (MY) 2023/24 rice production at 33.5 million metric tons (milled basis), down 3 percent from last month and down 1 percent from last year. Harvested area is forecast at 11.3 million hectares, down 3 percent from last month and down 2 percent from last year. Yield is forecast at 4.67 tons per hectare, down slightly from last month, but up 1 percent from last year.

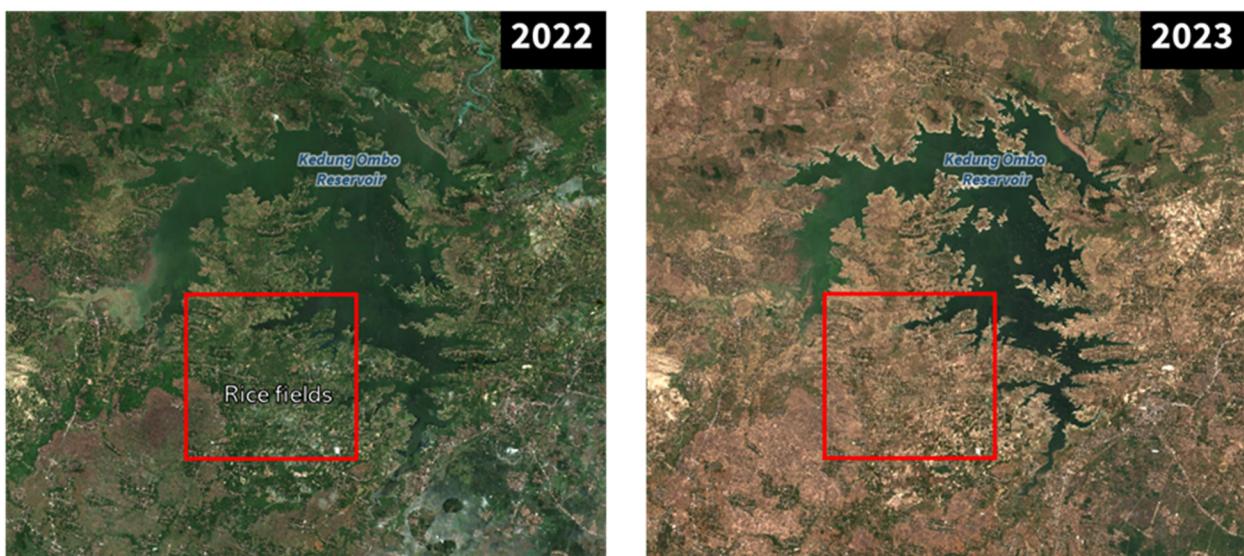


Source: UCSB CHIRPS, Cumulative Precipitation, 1-Month Departure from Normal (Oct. 1 to 31, 2023)

Approved by the World Agricultural Outlook Board

Rice in Indonesia is cultivated in three different cycles, the first during the wet season (about 45 percent of total rice crop) followed by two cycles during the dry season. The first rice cycle, the main crop, is cultivated in October to December, during the wet season and is harvested in February to April. The main rice cycle's area is cultivated in both lowland and upland elevations throughout the region and relies on both irrigated and rainfed practices, respectively. Irrigation supplies 85 percent of the water source and is predominantly used in lowland cultivated areas; in addition, irrigation practices rely on seasonal rains for reservoir recharge. Rice area is forecast to decrease in MY 2023/24 mainly due to ongoing dryness due to the delayed onset of the monsoon with the current El Nino, most notably in the main producing islands of Java, and parts of southern Sumatra. Satellite imagery in central Java shows rice planting delays in 2023 relative to 2022.

Kedung Ombo Reservoir, Indonesia: True Color Sentinel-2 Imagery Sep 1 to Nov 6 | Image Center: (110.80457, -7.28688)

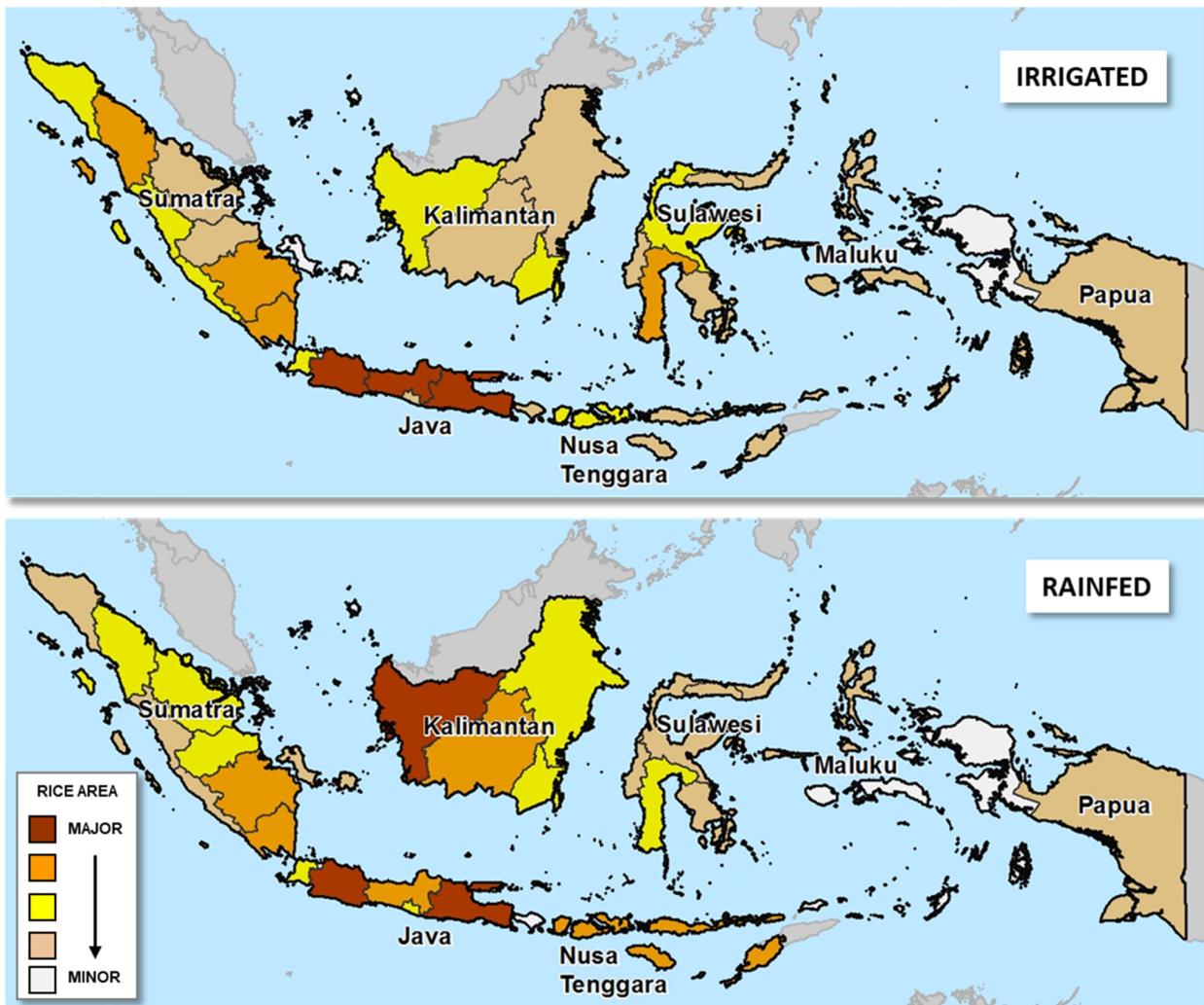


Comparing rice fields around the Kedung Ombo reservoir. Rice cultivation in this region is delayed due to the delayed seasonal rainfall as seen in the right image. In the left image rice was cultivated earlier than normal due to the early arrival of the seasonal rainfall. Additionally, the Kedung Ombo reservoir is at lower water levels as compared to last year, further signifying delayed rainfall.

Source: Copernicus Sentinel Data 2022, 2023

Since mid-August, cumulative rainfall has trended below normal. The delayed onset of the 2023 wet season has prevented farmers from starting rice cultivation on time. As a result, subsistence farmers in the upland rice growing regions who rely on the rainfall as their main water source will switch to planting more to a less water intensive crop, such as corn.

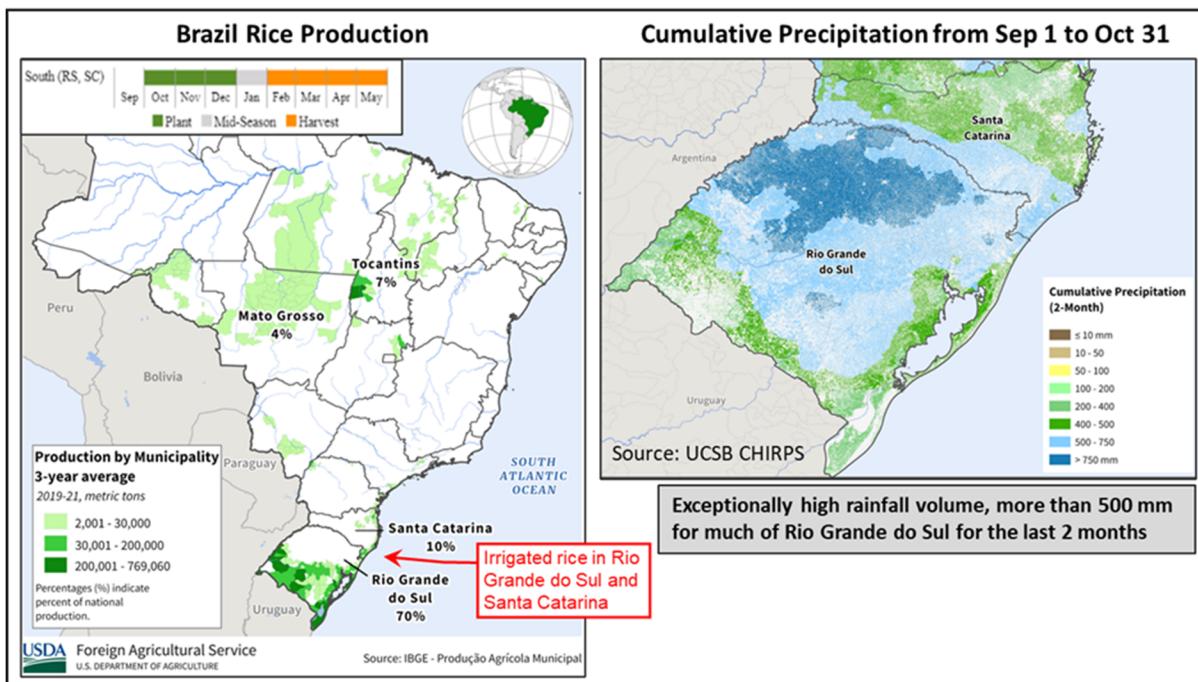
Indonesia: Wet Season Rice Geography



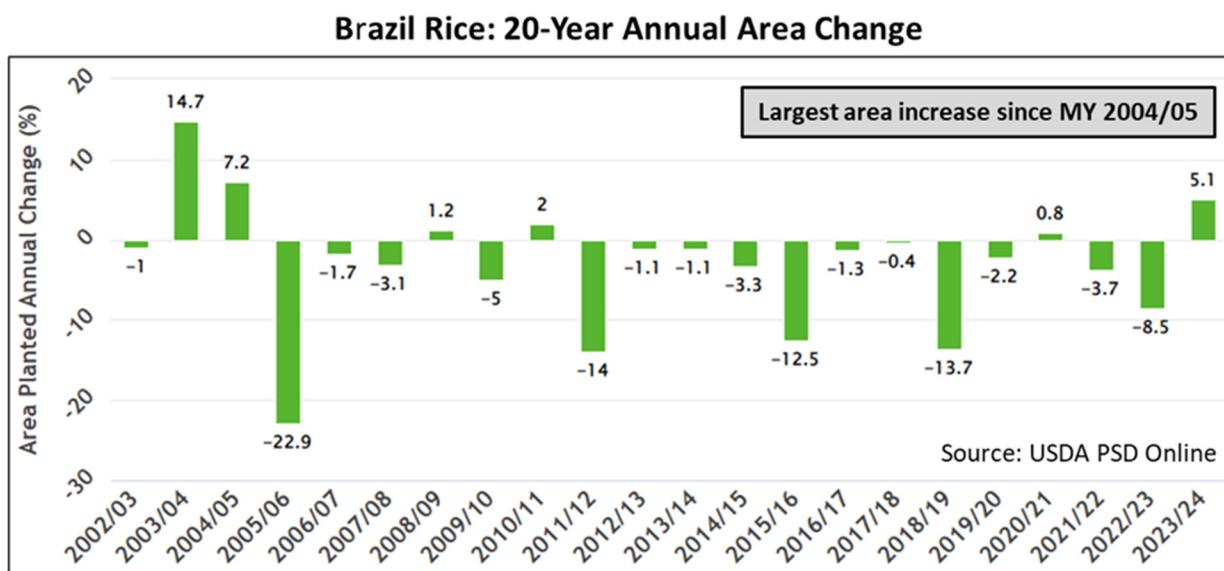
The second and third rice cycles are cultivated in the dry season, which begin cultivation March to June and July to October, respectively. (*For additional information, please contact Justin.Jenkins@usda.gov.*)

Brazil Rice: Area and Production Revised Higher

Brazil rice production (milled basis) for marketing year (MY) 2023/24 is forecast at 7.5 million metric tons (mmt), up 10 percent from last month, and up 7 percent from the previous year. Harvested area is forecast at 1.55 million hectares (mha), up 11 percent from last month, and up 5 percent from last year. Yield is forecast at 7.10 metric tons per hectare (t/ha), down less than 1 percent from last month and 7 percent above the 5-year average. The change this month reflects planted area expanding this season due to favorable market returns relative to recent years.



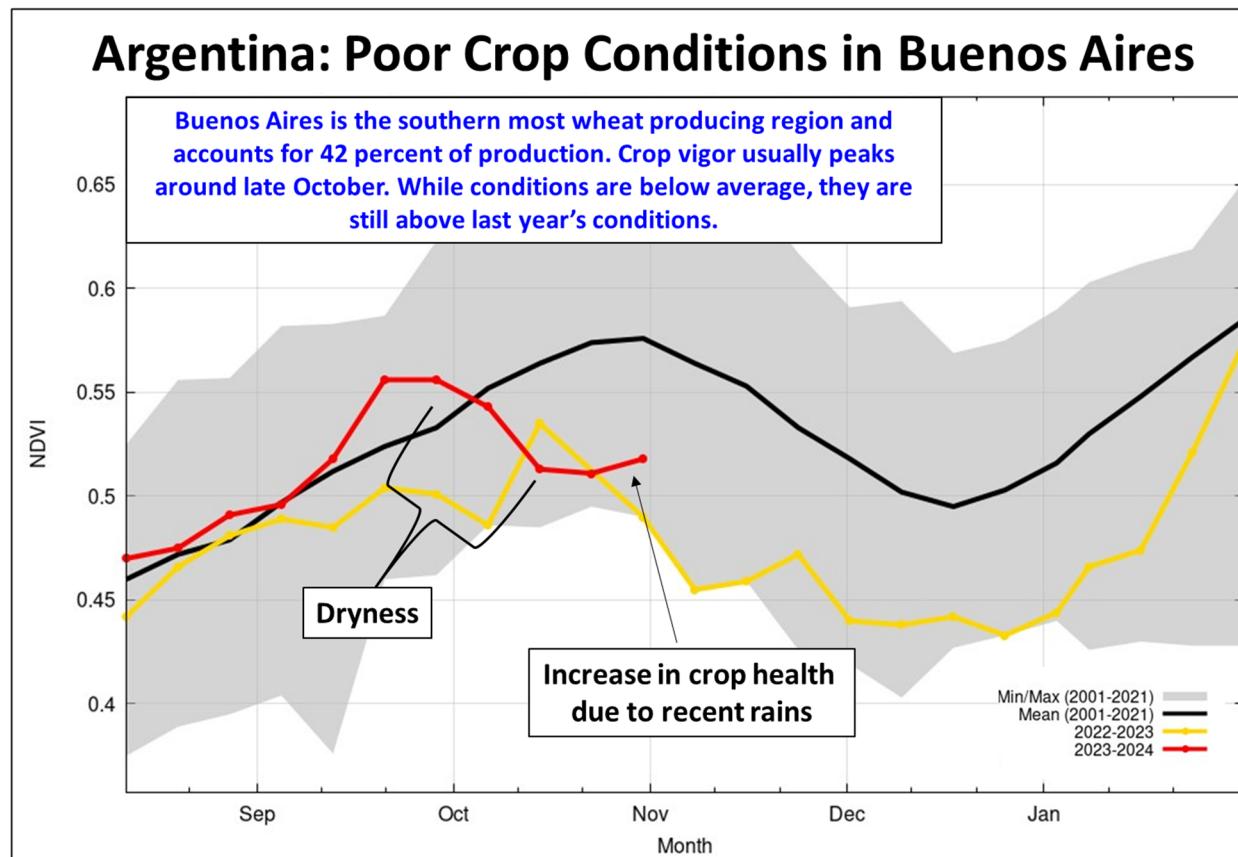
Brazil has two major rice-producing states, namely Rio Grande do Sul and Santa Catarina in the south. These two states account for nearly 80 percent of total rice production and all of this rice is irrigated. Spring rice planting is similar to last year at the same time at 52 percent complete. Precipitation thus far has been well above normal due to El Niño conditions that have brought historical record volumes of rainfall for both September and October in southern Brazil. In Rio Grande do Sul, rainfall has been over 200 percent of normal for much of the state over the last 2 months with cumulative rainfall amounts greater than 500 mm. Satellite imagery analysis shows enlarged river channels and flooded crop fields. The rice crop is better suited for flooding and farmers may opt for rice rather than soybeans in low lying locations of Rio Grande do Sul.



The year-to-year area increase for MY 2023/24 is the largest since MY 2004/05 and only the second time that area has risen in the last decade. Rice is sown from October to December and harvested from March to May. (For more information, please contact Sunita.Yadav-Pauletti@usda.gov.)

Argentina Wheat: Dryness in the Wheat Belt Lowers Production

Argentina wheat production for marketing year 2023/24 is forecast at 15.0 million metric tons, down 9 percent from last month, but up 20 percent from last year. Wheat yield is forecast at 2.73 metric tons per hectare, down 9 percent from last month, but up 20 percent from last year. Harvested area is forecast at 5.5 million hectares, unchanged from last month, and matching last year's area.



Source: NASA/USDA MODIS 8-Day NDVI

Wheat in Argentina is mainly produced in three provinces, Buenos Aires (42 percent of production), Cordoba (20 percent) and Santa Fe (18 percent). Planting and crop maturation occur in Santa Fe and Cordoba first and then move to Buenos Aires. Over the last few months, rainfall has been below average, and this shortage of rainfall has caused below-average crop conditions, as shown by the satellite-derived MODIS 8-day Normalized Difference Vegetation Index (NDVI). Rainfall in late October, however, has improved crop conditions in Buenos Aires. Wheat in Cordoba and Santa Fe is entering dry down and, therefore, the recent rainfall would have little to no improvement on yields. (For more information, please contact [Katie.McGaughey@usda.gov](mailto>Katie.McGaughey@usda.gov).)

India Wheat: Production Estimated at Record Levels

USDA estimates marketing year (MY) 2023/24 wheat production at a record of 110.6 million metric tons (mmt), down 2.9 mmt from last month (or 3 percent), but up 6 percent from last year. The area is estimated at a record of 31.4 million hectares, up 3 percent from last year. Yields are estimated to reach a record of 3.52 metric tons per hectare despite some damaging weather events during the reproductive stage in February and March.

India's Ministry of Agriculture revised their wheat production down by 3 percent from their previous estimate in their "Final Estimates of Productions of Major Crops" report released on October 18, 2023. Favorable weather conditions, sufficient soil moisture at planting, and higher minimum support prices than last year resulted in record planting. The crop progressed from planting to vegetative/reproductive stages under ideal weather conditions and adequate reservoir levels. The extreme heat returned in the northern wheat belt as the crop entered the reproductive stage in late February. However, the damage from the heat was less than last year.

MY 2023/24 Wheat Production at Record Level



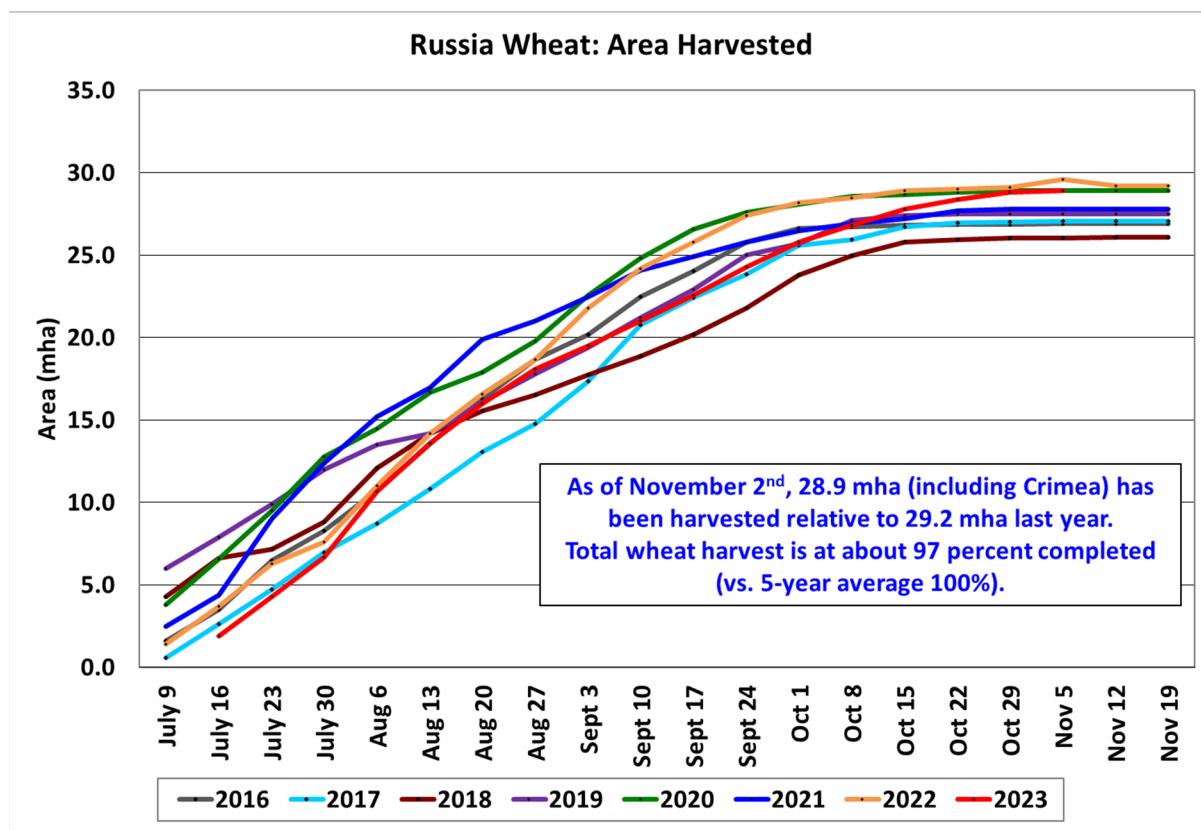
Source: USDA PSD Online

Wheat is grown only in the *rabi* season. The MY 2023/24 crop was planted in early November 2022 and planting continued until January. It was harvested in late April 2023. (For more information, please contact Arnella.Trent@usda.gov.)

Russia Wheat: Upward Revision Based on Harvest Results

Russia wheat production for marketing year (MY) 2023/24 is estimated at 90.0 million metric tons (mmt), up 6 percent from last month, but down 2 percent from last year, and up 13 percent from the 5-year average. The estimate includes 64.5 mmt of winter wheat and 25.5 mmt of spring wheat. Total wheat yield is estimated at 3.10 metric tons per hectare (t/ha), up 3 percent from last month and 9 percent from the 5-year average, but down 2 percent from last year's record. Total harvested area is estimated at 29.0 million hectares (mha), up 2 percent from last month, unchanged from last year, and up 4 percent from the 5-year average.

According to Russia's Ministry of Agriculture (MinAg), total wheat harvest is at 97 percent complete as of November 2nd. MinAg's harvest results report bunker weight; currently 93.8 mmt of total wheat has been collected from 28.9 mha (production and area numbers include Crimea). USDA reports harvested area; official early- and within-season agricultural statistics reported by MinAg and Rosstat, Russia's official statistical agency, reflect planted area. The anticipated end-of-season area losses, which are primarily due to winterkill and abandonment, are initially incorporated using average percentages computed using historical data. This month's upward area adjustment is a result of re-evaluating the area losses informed by the latest MinAg operational data. Harvest results also suggest high total wheat yield, which tracks below last year's record crop (3.17 t/ha) but is comparable to MY 2017/18 when the final reported end-of-season yield was 3.11 t/ha. USDA yield numbers represent net yield and exclude output from Crimea.



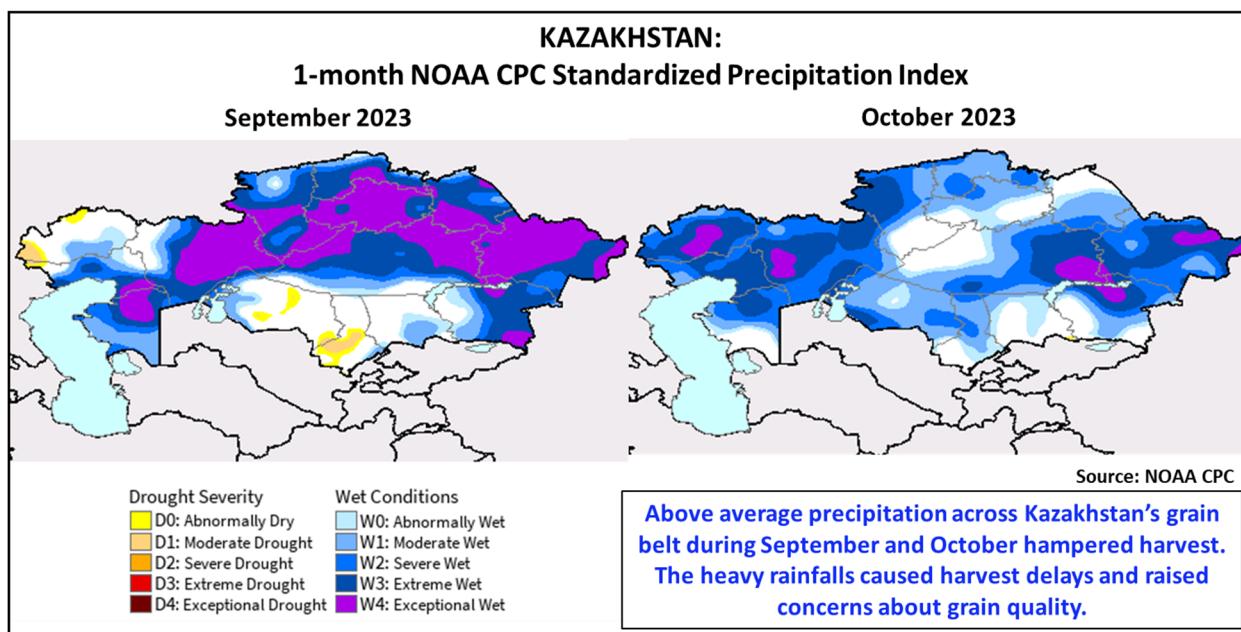
Winter wheat typically accounts for about 70 percent of total production, and it is grown primarily in European Russia. Spring wheat, which accounts for about 30 percent of total production, is mainly planted in the regions bordering Kazakhstan: the Volga, Urals, and Siberian Districts of Russia.

USDA crop forecasts for Russia exclude estimated output from Crimea. Area, yield, and production estimates for Russia winter wheat and spring wheat are available on PSD Online. Select “Downloadable Data Sets” and open the zipped file for “Russia Wheat; Winter/Spring Area & Production.” (For more information, please contact Iliana.Mladenova@usda.gov.)

Kazakhstan Wheat: Wet Weather Further Threatens Harvest

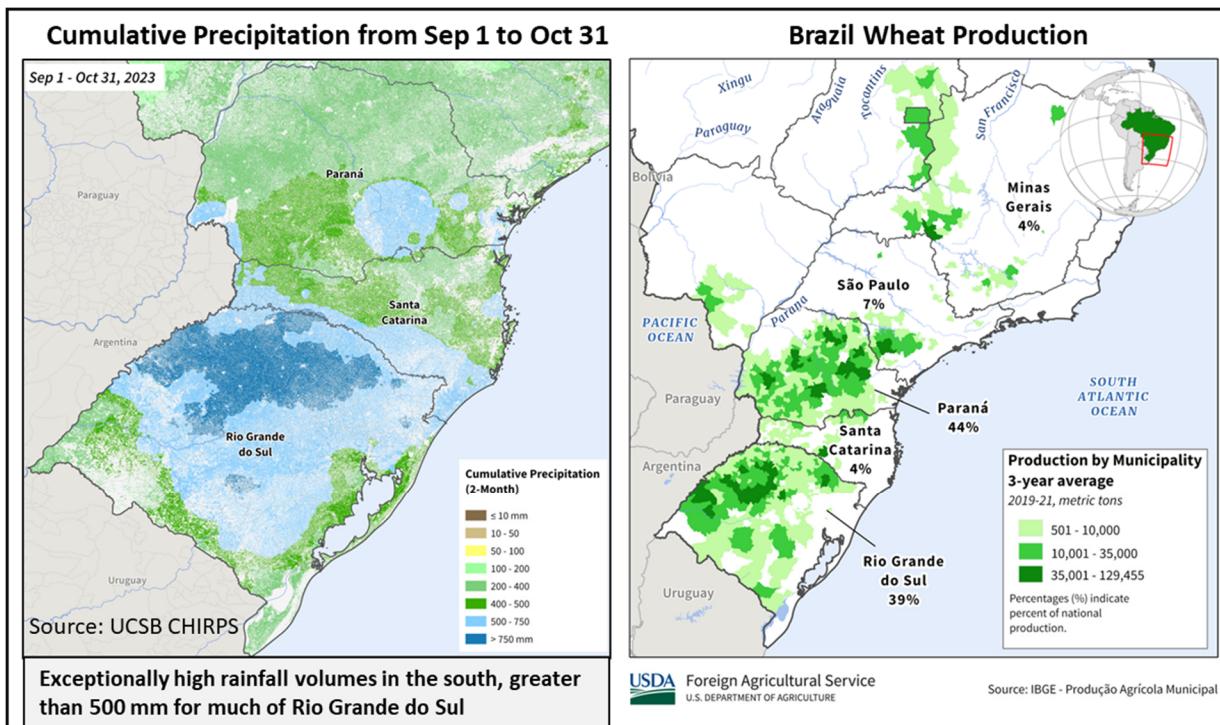
Kazakhstan wheat production for marketing year (MY) 2023/24 is estimated at 12.0 million metric tons, down 8 percent from last month and 27 percent from last year. Yield is estimated at 0.88 metric tons per hectare, down 8 percent from last month and 31 percent from last year. Harvested area is estimated at 13.6 million hectares, unchanged from last month and up 6 percent from last year.

This month's production revision is due to continued unfavorable weather. Heavy October rains brought additional and untimely wetness to large parts of the Kazakhstan Grain Belt during harvest, where moisture conditions were already above average due to the abnormally wet September. The harvest campaign in North Kazakhstan and Aqmola is complete. Harvest, however, is delayed in Qostanay as the region was the epicenter of the heavy October rains. A drop in grain quality, lower than initially expected output, and a need for additional resources for grain drying are some of the main challenges farmers and producers face.

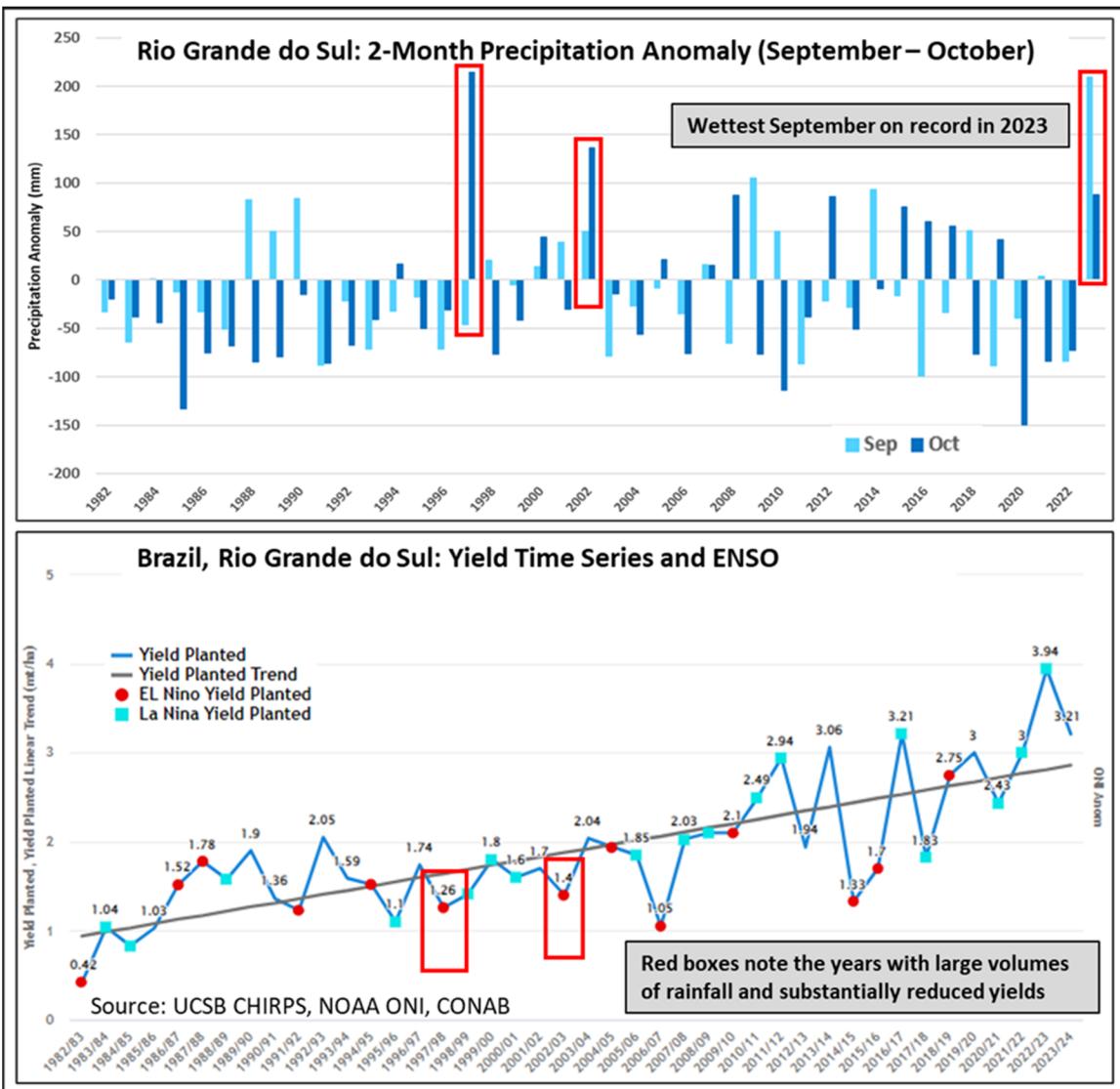


About 80 percent of the crop is produced in the north-central oblasts of Aqmola, Qostanay, and North Kazakhstan. The crop is planted in mid-late-May and harvested between August and September. (*For more information, please contact Iliana.Mladenova@usda.gov.*)

Brazil Wheat: Heavy Precipitation Further Reduces Production



USDA estimates Brazil wheat production for marketing year (MY) 2023/24 at 9.4 million metric tons (mmt), down 4 percent from last month and down 6 percent from the initial forecast. Harvested area remains at 3.4 million hectares (mha), unchanged from last month and up 10 percent from last year. Yield is reduced to 2.76 metric tons per hectare (t/ha), down 4 percent from last month and down 19 percent from last year's record.



Overall wheat harvest is currently at 67 percent complete, nationally, ahead of last year's pace that was at 40 percent at this time. Continuing record precipitation in the month of October, over 120 percent of normal in northern Rio Grande do Sul, has further reduced the grain quality and productivity potential. Historical data indicates that previous years with such large volumes of rainfall during harvest also reduced yields substantially. These years also occurred during El Niño cycles, see MY 1997/98 and MY 2002/03. High humidity and warm temperatures increased disease pressure in both major wheat producing states, Paraná (40 percent of total production) and Rio Grande do Sul (44 percent of production). SEAB/DERAL, the state reporting agency for Paraná, lowered their wheat yield estimate to 2.73 t/ha in late October. Yields in Rio Grande do Sul will be even lower as this state saw much larger rainfall volumes than Paraná over the last 2 months. (For more information, please contact Sunita.Yadav-Pauletti@usda.gov.)

Mexico Corn: Summer Corn Damaged from Drought Conditions and Hurricane Otis

Mexico's corn production for marketing year (MY) 2023/24 is estimated at 26.5 million metric tons (mmt), down 900,000 mt from last month (about 3 percent) and 1.6 mmt (about 6 percent) from last year's record production. Harvested area is estimated at 6.7 million hectares (mha), down 405,000 ha from last month (about 6 percent) and 146,000 ha (about 2 percent) from last year. Yield is estimated at 3.93 metric tons per hectare, down 4 percent from last year's record yield.

Representing about 70 percent of production, the mostly rainfed summer corn crop was planted from April through August and is now harvesting. The mostly irrigated minor winter corn crop is now being planted.

Mexico Summer Corn Damaged Areas

(as of September 2023)

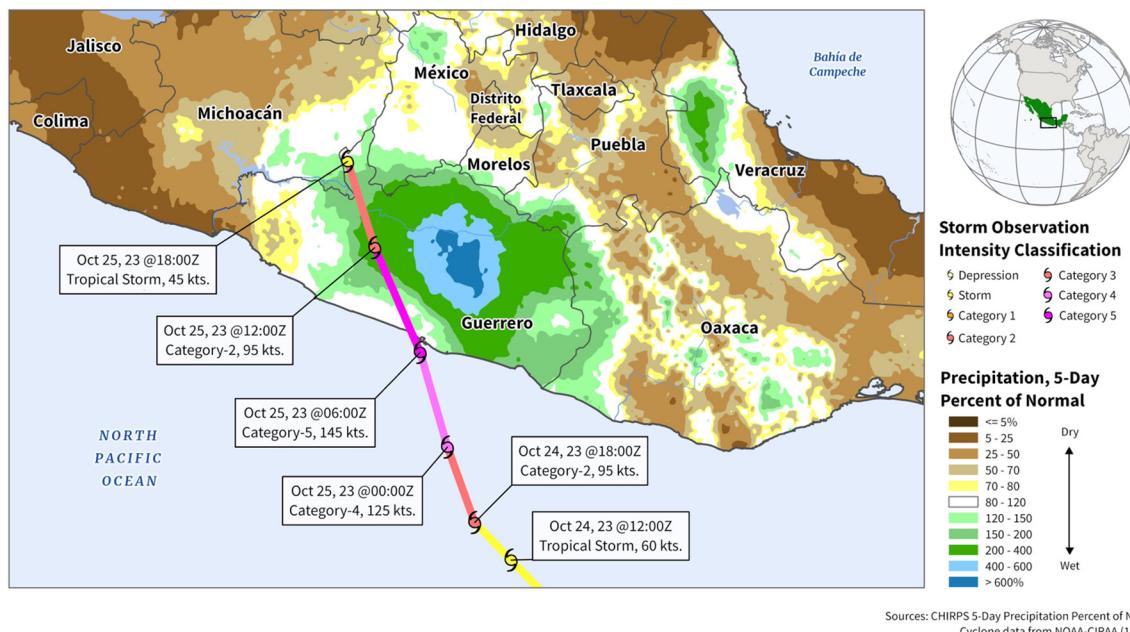


Source: SIAP

As of September 2023, the Mexican government's *Servicio de Información Agroalimentaria y Pesquera* (SIAP) has reported that 5,709,670 ha of the summer corn has been planted so far for MY 2023/24, slightly less than last year. However, 153,292 ha of damaged area has been reported for this year's summer corn crop, about 60,000 ha more than the damaged summer corn area reported for last year's crop so far. Drought negatively impacted the summer corn throughout the growing season in major summer corn states such as Chihuahua, Michoacán, and San Luis Potosí.

Mexico Summer Corn: Cumulative Precipitation Percent of Normal

5-Day, October 21 - 25, 2023, Impact from Hurricane Otis

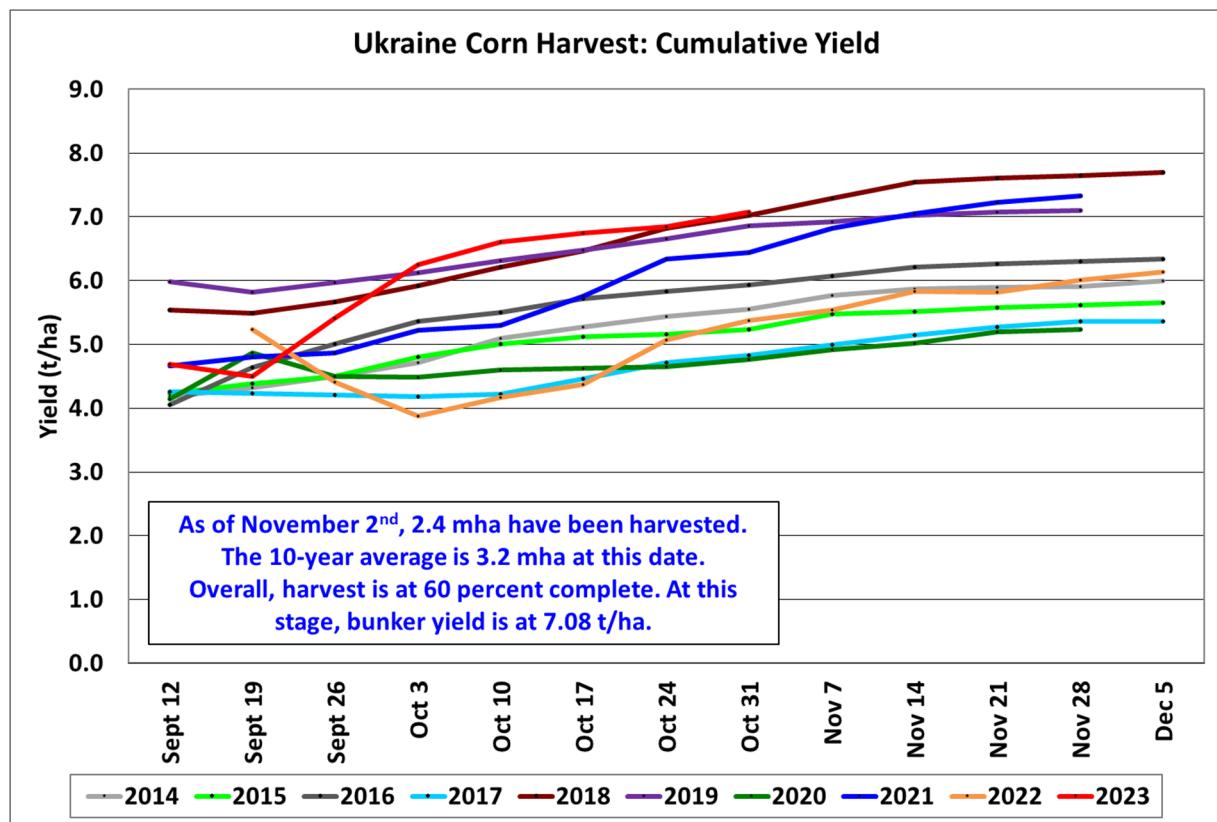


Throughout October 2023, Mexico experienced four tropical storms that all went through the western corn belt. Two of these storms landed in Guerrero, which represents about 6% of the summer corn production. On October 10, Tropical Storm Max arrived in western Guerrero with minimal impact reported on summer corn in the state. However, on October 25, Hurricane Otis entered Guerrero as a Category-5 storm, with first estimate damages reported at least 6,000 ha for the summer corn. (*For more information, please contact Ifeoma.Collins@usda.gov.*)

Ukraine Corn: Above-Average Yield Despite the Conflict

Ukraine corn production for marketing year (MY) 2023/24 is estimated at 29.5 million metric tons, up 5 percent from last month and 9 percent from last year, but down 14 percent relative to the 5-year average. Yield is estimated at 7.38 metric tons per hectare (t/ha), up 5 percent from last month, 11 percent from last year and 5 percent from the 5-year average. Harvested area is estimated at 4.0 million hectares, unchanged from last month and down 1 percent from last year and 18 percent from the 5-year average.

This month's production and yield revisions are based on Ukraine's Ministry of Agriculture (MinAg) operational harvest data. As of November 2nd, harvest is at 60 percent complete. At this point of the harvest, the current bunker yield of 7.08 t/ha slightly surpasses the 2018 record return of 7.03 t/ha. Generally, corn yield is highly dependent on the availability of quality inputs, along with regular and timely application of agro-chemicals. The overall assumption at the start of the season was that producers' access to hybrid seeds, fertilizers and functioning equipment may be hampered due to the ongoing conflict. Favorable weather, however, provided optimal growing conditions for this season's corn crop, which boosted corn yields above the average and offset some of the implications related to the previously mentioned factors.



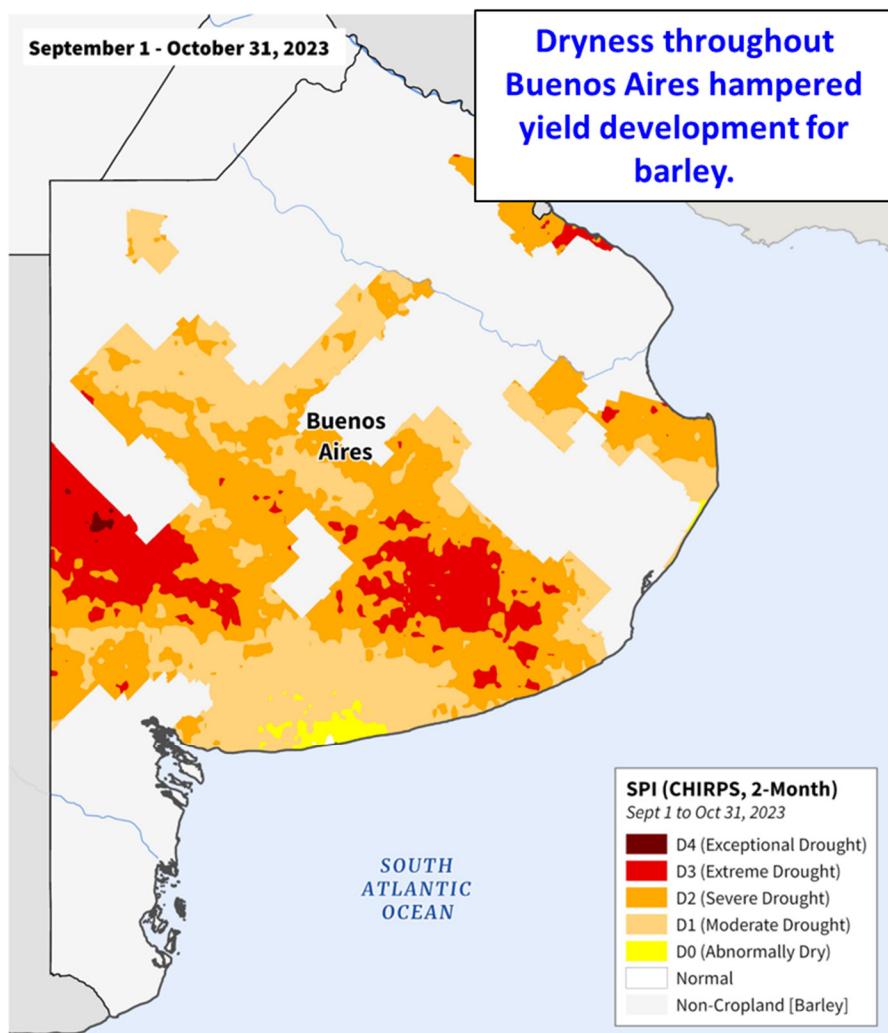
Source: Ukraine Ministry of Agriculture

At present, Ukraine can be divided into two zones, areas in conflict and areas not in conflict. As elaborated by USDA's POST in Ukraine, due to the ongoing war there is no official and reliable information about the status of Ukraine's agriculture in the conflict zone. As a result, area and production data currently provided by POST, Ukraine's Ministry of Agriculture (MinAg), and the State Statistical Service of Ukraine, which inform USDA's forecasts, do not reflect the whole country. For the MY 2023/24 season the MinAg planted area information for both the MY 2023/24 winter and spring crops excludes the temporarily occupied territory of the Donetsk, Zaporizhzhia, Luhansk and Kherson regions. This is based on an official note included in the daily MinAg planting reports. MinAg also does not include Crimea. USDA crop production estimates for Ukraine include estimated output from Crimea. Crimean area and production numbers are extracted from the agricultural crop reports provided by the Russian Statistical Agency, Rosstat. (For more information, please contact Iliana.Mladenova@usda.gov.)

Argentina Barley: Dryness in Buenos Aires Throughout Winter Lowers Production

Argentina barley production for marketing year 2023/24 is forecast at 5.0 million metric tons, down 6 percent from last month, but up 11 percent from last year. Barley yield is forecast at 3.57 tons per hectare, down 6 percent from last month, but up 24 percent from last year. Harvested area is forecast at 1.4 million hectares, unchanged from last month, but down 11 percent from last year.

Argentina: Standardized Precipitation Index



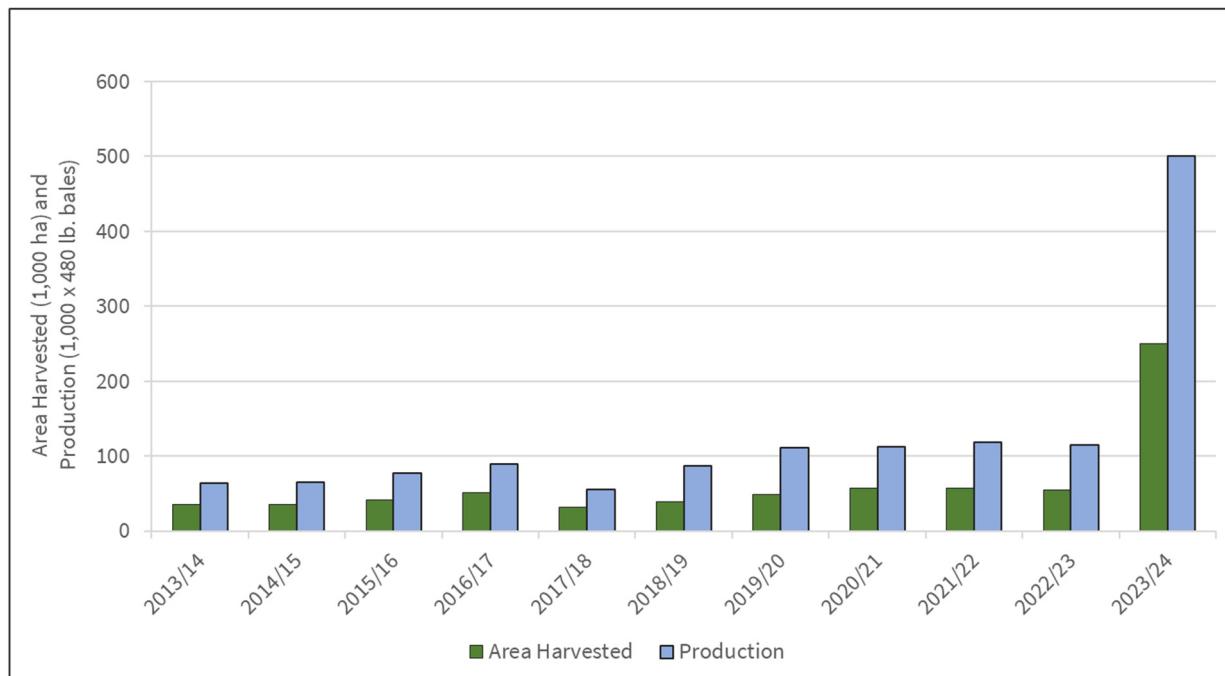
Sources: UCSB CHIRPS Standardized Precipitation Index (SPI);
Crop-masked with Argentina Ministerio de Agroindustria
2017-2020 Barley data

Barley in Argentina is mostly produced in Buenos Aires (94 percent of production) and planting was complete by the middle of August. Over the last few months, rainfall has been below-average in Buenos Aires for planting and early crop development. Rainfall occurred during the latter half of October, which improved crop conditions. Months of dry conditions prior to the crop season and continued dry conditions during the early part of the season, however, led to a decline in yield. (*For more information, please contact Katie.McGaughey@usda.gov.*)

Afghanistan Cotton: Area and Production Higher as Cotton Displaces Poppy Cultivation

USDA estimates Afghanistan cotton production for marketing year (MY) 2023/24 at a record 500,000 480-pound bales, up 150 percent from last month, 335 percent from last year and 360 percent above the 5-year average. Yield is estimated at 435 kilograms per hectare, down 5 percent from last month, 4 percent from last year, and 6 percent below the 5-year average. Harvested area is estimated at a record 250,000 hectares (ha), up 163 percent from last month, 355 percent from last year, and 386 percent above the 5-year average.

Afghanistan Cotton: Area and Production

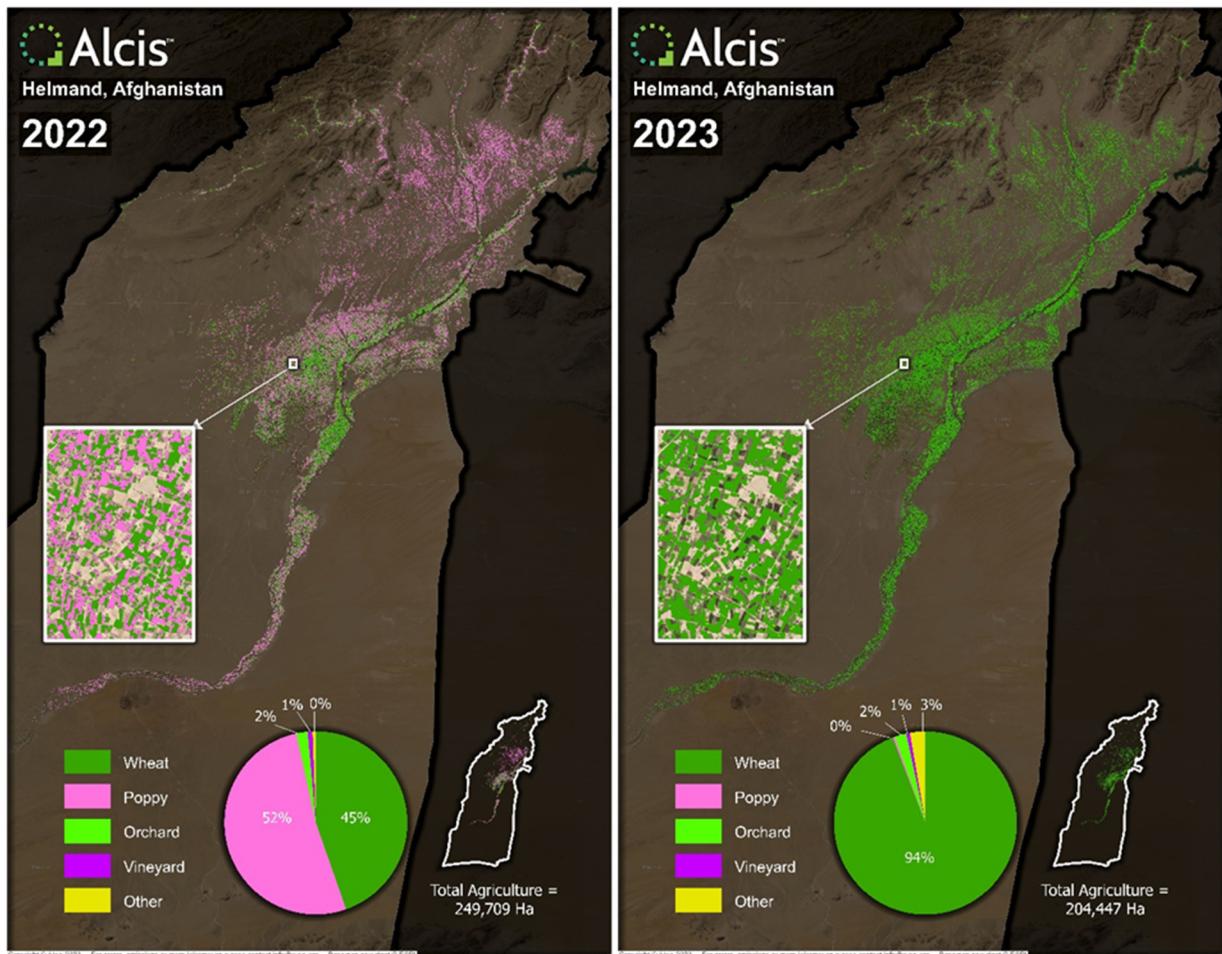


Source: USDA PSD Online

The Afghanistan government instituted a nationwide ban on poppy cultivation in 2023, leading farmers to switch to alternative crops for the season. Recent satellite imagery analysis by Alcis, a private geographic information service provider, confirmed the effectiveness of this policy. In the southwest portion of the country, where the majority of Afghanistan's poppy cultivation occurs, Alcis reported a 99 percent reduction in poppy cultivation in 2023 (versus 2022) in Helmand Province, along with 95 and 91 percent reductions in Farah and Nimroz, respectively. Nationally, the United Nations Office on Drugs and Crime has reported a year-to-year reduction in poppy cultivation of 222,200 ha or 95 percent of the area planted to poppy last year. These reductions were marked by corresponding increases in the cultivation of alternative crops, chiefly wheat, which is sometimes double cropped with cotton in the southern regions of the country.

Helmand Province Poppy Cultivation

2022 vs. 2023



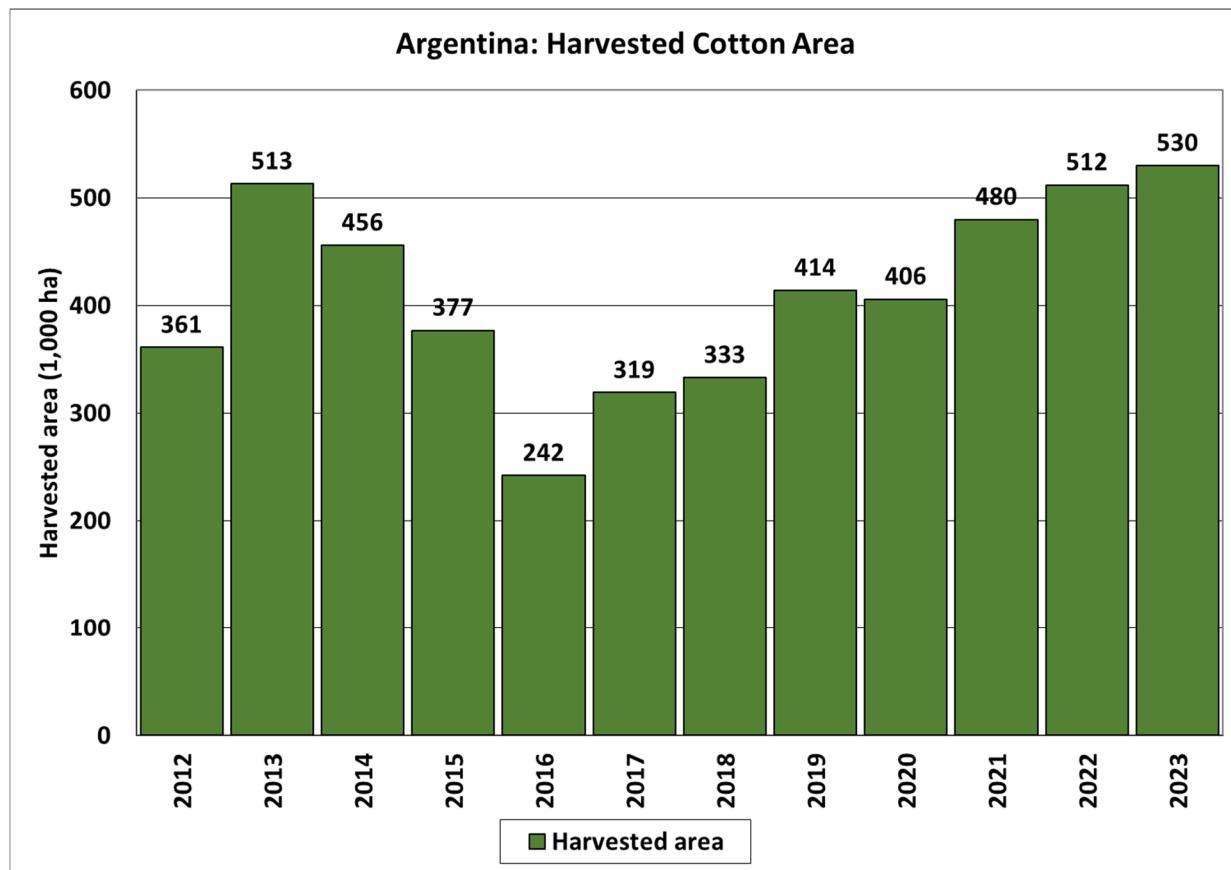
Copyright @ Alcis 2023; Basemap copyright @ Esri

Media reports corroborate this analysis and have indicated a substantial increase in cotton production in place of poppies, in 2023. Additionally, the Afghanistan Chamber of Commerce and Investment (ACCI) has called for a substantial increase in cotton processing capacity, noting that 2023 cotton production is several times that of the previous year, when roughly 72,000 tons of raw cotton was produced.

The Alcis report noted in this report can be found online at this link: <https://www.alcis.org/poppy>.
(For more information, please contact Aaron.Mulholen@usda.gov.)

Argentina Cotton: Higher Planted Area Forecast

Argentina cotton production for marketing year 2023/24 is forecast at 1.5 million 480-lb bales, up 18 percent from last month, and up 2 percent from last year. Cotton yield is forecast at 616 kilograms per hectare, essentially unchanged from last month, but down 2 percent from last year. Harvested area is forecast at 530,000 hectares (ha), up 18 percent from last month, and 4 percent from last year.



Source: USDA PSD Online

The Argentina Ministry of Agriculture published an initial forecast of planted area of 580,000 ha. Abandonment for cotton is, on average, 8 percent. Cotton area has been mostly increasing for the last eight seasons. Planting began in mid-October and the yield month-to-month is essentially unchanged. (*For more information, please contact Katie.McGaughey@usda.gov.*)



World Agricultural Production
U.S. Department of Agriculture
Foreign Agricultural Service / Global Market Analysis
International Production Assessment Division (IPAD)
Ag Box 1051, Room 4630, South Building
Washington, DC 20250-1051
<https://ipad.fas.usda.gov/>
Telephone: (202) 720-1662 Fax: (202) 720-1158

This report uses information from the Foreign Agricultural Service's (FAS) global network of agricultural attachés and counselors, official statistics of foreign governments and other foreign source materials, and the analysis of economic data and satellite imagery. Estimates of foreign area, yield, and production are from the International Production Assessment Division, FAS, and are reviewed by USDA's Inter-Agency Commodity Estimates Committee. Estimates of U.S. area, yield, and production are from USDA's National Agricultural Statistics Service. Numbers within the report may not add to totals because of rounding. This report reflects official USDA estimates released in the World Agricultural Supply and Demand Estimates (WASDE-584), November 9, 2023.

The FAS International Production Assessment Division prepared this report. The next issue of World Agricultural Production will be released after 12:00 p.m. Eastern Time, December 8, 2023.

Conversion Table

Metric tons to bushels

Wheat, soybeans	=	MT * 36.7437
Corn, sorghum, rye	=	MT * 39.36825
Barley	=	MT * 45.929625
Oats	=	MT * 68.894438

Metric tons to 480-lb bales

Cotton	=	MT * 4.592917
--------	---	---------------

Metric tons to hundredweight

Rice	=	MT * 22.04622
------	---	---------------

Area & weight

1 hectare	=	2.471044 acres
1 kilogram	=	2.204622 pounds



For further information, contact:
U.S. Department of Agriculture
Foreign Agricultural Service
Global Market Analysis
International Production Assessment Division
Ag Box 1051, Room 4630, South Building
Washington, DC 20250-1051

Telephone: (202) 720-1662 Fax: (202) 720-1158

GENERAL INFORMATION

Senior Director	Ronald Frantz	202-720-4056	ronald.frantz@usda.gov
Director	Robert Tetrault	202-720-1071	robert.tetrault@usda.gov
Administrative Assistant	Vacant		
USDA Remote Sensing Advisor	Vacant		
Sr. Analyst/Technical Lead	Curt Reynolds, Ph.D.	202-690-0134	curt.reynolds@usda.gov
Sr. Analyst/ Satellite Imagery	Dath Mita, Ph.D.	202-720-7339	dath.mita@usda.gov
Archives Manager/Technical Lead			
Sr. Analyst/Technical Lead	Jim Crutchfield	202-690-0135	james.crutchfield@usda.gov
GIS Mapping/Imagery Analyst	Lisa Colson	202-720-6652	lisa.colson@usda.gov
WAP Coordinators	Ifeoma Collins	202-720-0240	ifeoma.collins@usda.gov
	Shannon Moyo		shannon.moyo@usda.gov

COUNTRY- AND REGION-SPECIFIC INFORMATION

South America, Argentina, Venezuela, and Colombia	Katie McGaughey	202-720-9210	katie.mcgaughey@usda.gov
Western and Central Europe, and North Africa	Bryan Purcell	202-690-0138	bryan.purcell@usda.gov
Russia, Ukraine, Kazakhstan, Moldova, and Belarus	Iliana Mladenova, Ph.D.	202-690-2315	iliана.mladenova@usda.gov
South Asia, Sri Lanka Bangladesh, India, and Nepal	Arnella Trent	202-720-0881	arnella.trent@usda.gov
East Asia, China, and Japan	Dath Mita, Ph.D.	202-720-7339	dath.mita@usda.gov
Sub-Saharan Africa, Nigeria and South Africa	Curt Reynolds, Ph.D.	202-690-0134	curt.reynolds@usda.gov
S.E. Asia, Indonesia, Thailand, Malaysia, Cambodia and Vietnam	Justin Jenkins	202-720-0419	justin.jenkins@usda.gov
Central America, Mexico, and Western United States	Ifeoma Collins	202-720-0240	ifeoma.collins@usda.gov
Australia, New Zealand, Pakistan Papua New Guinea and South Pacific Islands	Jim Crutchfield	202-690-0135	james.crutchfield@usda.gov
Middle East, Central Asia, Afghanistan Iraq, Iran, and Syria	Aaron Mulholen	202-690-0131	aaron.mulholen@usda.gov
Canada, Caribbean, Eastern United States	Shannon Moyo		shannon.moyo@usda.gov
Brazil	Sunita Yadav-Pauletti, Ph.D.		sunita.yadav-pauletti@usda.gov



The Foreign Agricultural Service (FAS) updates its production, supply and distribution (PSD) database for cotton, oilseeds, and grains at 12:00 p.m. on the day the *World Agricultural Supply and Demand Estimates* (WASDE) report is released. This circular is released by 12:15 p.m.

FAS Reports and Databases:

World Agricultural Production

Current: <https://www.fas.usda.gov/data/world-agricultural-production>

Archive: <https://usda.library.cornell.edu/concern/publications/5q47rn72z?locale=en>

USDA's Foreign Agricultural Service (FAS) publishes a monthly report on crop acreage, yield and production in major countries worldwide. Sources include reporting from FAS's worldwide offices, official statistics of foreign governments, and analysis of economic data and satellite imagery. The reports reflect official USDA estimates released in the monthly *World Agricultural Supply and Demand Estimates* (WASDE).

World Markets and Trade

Current: <https://www.fas.usda.gov/data>

Archive:

https://usda.library.cornell.edu/catalog?1%5Bmember_of_collections_ssim%5D%5B%5D=Foreign+Agricultural+Service&locale=en

USDA's Foreign Agricultural Service (FAS) publishes monthly and quarterly reports which include data on U.S. and global trade, production, consumption and stocks, as well as analysis of developments affecting world trade in oilseeds, grains, cotton, livestock and poultry. The reports reflect official USDA estimates released in the monthly *World Agricultural Supply and Demand Estimates* (WASDE).

Global Agricultural Information Network (GAIN)

<https://gain.fas.usda.gov/>

USDA's Foreign Agricultural Service (FAS) provides timely reports on foreign markets through the Global Agriculture Information Network (GAIN) database. An average of 2,000 reports are added each year, with reports going back to 1995. GAIN reports are compiled by FAS' global market intelligence network, which includes FAS foreign service officers and locally engaged staff in over 90 overseas offices world-wide. They provide on-the-ground intelligence, insight, and analysis on nearly 200 countries, delivering information on foreign agricultural markets, crop conditions, and agro-political dynamics of interest to U.S. agriculture. GAIN reports contain assessments of commodity and trade issues made by USDA staff and are not necessarily statements of official U.S. government policy.

Production, Supply and Distribution (PS&D) Online

<https://apps.fas.usda.gov/psdonline/app/index.html#/app/home>

PSD Online is the public repository for USDA's Official Production, Supply and Distribution forecast data and reports for key agricultural commodities. PSD Online data are reviewed and updated monthly by an interagency committee chaired by USDA's World Agricultural Outlook Board (WAOB). The committee consist of representatives from Foreign Agricultural Service (FAS), the Economic Research Service (ERS), the Farm Service Agency (FSA), and the Agricultural Marketing Service (AMS).

EU Countries and Russia Wheat: Area and Production Estimates

<https://apps.fas.usda.gov/psdonline/app/index.html#/app/downloads> (click on PSD Datasets)

USDA's Foreign Agricultural Service (FAS) provides country-level area and production estimates for the nations of the European Union. For Russia, country-level area and production estimates are provided for Winter and Spring wheat. These datasets are reviewed and updated monthly by an interagency committee chaired by USDA's World Agricultural Outlook Board (WAOB) and can be downloaded through PSD datasets on PSD Online.



FAS Reports and Databases:

International Production Assessment (IPAD)

<https://ipad.fas.usda.gov/>

USDA's Foreign Agricultural Service (FAS) maintains a dynamic global crop production portal with key information including *World Agricultural Production* (WAP) briefs, Commodity Intelligence Reports (CIR), geospatial applications, crop production maps at a subnational level and crop calendars for the top-20 producing countries. Additionally, Crop Explorer (<https://ipad.fas.usda.gov/cropexplorer/>) displays rainfall, temperature, evapotranspiration, soil moisture, snow cover, and vegetation conditions in charts and maps.

USDA and NASA Global Agricultural Monitoring (GLAM)

<https://glam1.gsfc.nasa.gov/>

The USDA and NASA Global Agricultural Monitoring (GLAM) system provides near real-time and science quality Moderate Resolution Imaging Spectroradiometer (MODIS) Normalized Difference Vegetation Index (NDVI) from the satellites Terra and Aqua. The public can view and retrieve MODIS 8-day composited, global NDVI satellite imagery and time series data. GLAM was developed by NASA's Global Inventory Modeling and Mapping Studies (GIMMS) group for USDA's Foreign Agricultural Service.

Global Agricultural and Disaster Assessment System (GADAS)

<https://geo.fas.usda.gov/GADAS/index.html>

USDA's Foreign Agricultural Service (FAS) provides the Global Agricultural and Disaster Assessment System (GADAS), a web-based Geographic Information System (GIS) tool which integrates a vast array of highly detailed earth observation data streams, particularly targeted towards agricultural and disaster assessment analysis. GADAS is an interactive website which provides analysts with a wide variety of routine geospatial products (maps, charts, tables) they require for comprehensive situational investigations and recurring assessments.

Export Sales Reporting

<https://apps.fas.usda.gov/esrquery/>

USDA's Export Sales Reporting Program monitors U.S. agricultural export sales on a daily and weekly basis. Export sales reporting provides a constant stream of up-to-date market information for 40 U.S. agricultural commodities sold abroad. The weekly U.S. Export Sales report is the most currently available source of U.S. exports sales data. The data is used to analyze overall levels of export demand, determine where markets exit, and assess the relative position of U.S. commodities in foreign markets.

Global Agricultural Trade System (GATS)

<https://apps.fas.usda.gov/gats/default.aspx>

The Global Agricultural Trade System (GATS) is a searchable database containing monthly U.S. Census Bureau trade data organized by agricultural commodity and agricultural related product groups. Trade data is searchable by partner countries and partner groups. Historical U.S. agricultural trade data is available back to 1967. In addition, U.N. trade statistics (UN Comtrade) may be queried through GATS. UN trade data is available for nearly 200 countries or areas, dating from the inception of the Harmonized System (HS) of trade codes in 1989 to present. The database is continuously updated. U.S. trade data is updated monthly according to the U.S. Census Bureau's reporting system. UN Comtrade data are updated in GATS after nationally submitted data to the UN are standardized by the UN Statistical Division and added to the UN Comtrade database.

Other USDA Reports:

World Agricultural Supply and Demand Estimates (WASDE):

<http://www.usda.gov/oce/commodity/wasde/>

Economic Research Service:

<http://www.ers.usda.gov/topics/crops>

National Agricultural Statistics Service:

<http://www.nass.usda.gov/Publications/>

Table 01 World Crop Production Summary

Million Metric Tons

Commodity	World -	Total Foreign	North America		Former Soviet		European	Asia (WAP)			South America		Selected Other			All Others			
			United States	Canada -	Mexico -	Russia -	Ukraine -	China -	India -	Indonesia	Pakistan	Thailand	Argentina -	Brazil -	Australia	South Africa	Turkey -		
---Million metric tons---																			
Wheat																			
2021/22	781.0	736.2	44.8	22.4	3.3	75.2	33.0	nr	136.9	109.6	0.0	27.5	0.0	22.2	7.7	36.2	2.3	16.0	244.0
2022/23 prel.	789.5	744.6	44.9	34.3	3.6	92.0	21.5	nr	137.7	104.0	0.0	26.4	0.0	12.6	10.6	39.7	2.1	17.3	242.9
2023/24 proj.																			
Oct	783.4	734.1	49.3	31.0	3.5	85.0	22.5	nr	137.0	113.5	0.0	28.0	0.0	16.5	9.8	24.5	2.2	19.5	241.2
Nov	782.0	732.7	49.3	31.0	3.5	90.0	22.5	nr	137.0	110.6	0.0	28.0	0.0	15.0	9.4	24.5	2.2	19.5	239.5
Coarse Grains																			
2021/22	1,501.8	1,104.1	397.7	25.1	32.8	38.5	53.5	nr	280.9	51.4	12.7	11.0	5.4	58.6	120.6	19.2	16.6	11.6	366.1
2022/23 prel.	1,447.1	1,089.0	358.1	30.5	33.9	44.1	33.9	nr	285.5	56.8	12.9	9.9	5.3	40.7	141.6	18.7	17.5	14.8	343.0
2023/24 proj.																			
Oct	1,494.6	1,097.6	396.9	26.4	33.2	39.8	34.6	nr	285.3	53.6	13.1	11.0	5.5	63.6	134.3	13.0	17.4	17.0	349.9
Nov	1,499.3	1,099.0	400.3	26.4	32.3	42.2	36.4	nr	285.3	52.8	12.9	11.0	5.5	63.3	134.3	13.0	17.4	16.8	349.4
Rice, Milled																			
2021/22	514.3	508.3	6.1	0.0	0.2	0.7	0.0	nr	149.0	129.5	34.4	9.3	19.9	0.8	7.3	0.5	0.0	0.5	156.1
2022/23 prel.	513.4	508.3	5.1	0.0	0.1	0.6	0.0	nr	145.9	135.8	34.0	5.5	20.9	0.8	7.0	0.4	0.0	0.6	156.7
2023/24 proj.																			
Oct	518.1	511.1	7.0	0.0	0.2	0.7	0.0	nr	149.0	132.0	34.5	9.0	19.5	0.8	6.8	0.5	0.0	0.5	157.6
Nov	517.8	510.8	7.0	0.0	0.2	0.7	0.0	nr	149.0	132.0	33.5	9.0	19.5	0.8	7.5	0.5	0.0	0.5	157.6
Total Grains																			
2021/22	2,797.1	2,348.5	448.6	47.5	36.2	114.4	86.6	nr	566.8	290.4	47.1	47.8	25.2	81.6	135.7	56.0	18.9	28.1	766.3
2022/23 prel.	2,750.0	2,341.9	408.1	64.9	37.6	136.7	55.4	nr	569.2	296.5	46.9	41.8	26.2	54.0	159.2	58.7	19.6	32.6	742.5
2023/24 proj.																			
Oct	2,796.1	2,342.9	453.2	57.4	36.9	125.5	57.1	nr	571.3	299.1	47.6	48.0	25.0	80.9	150.9	38.1	19.6	37.0	748.6
Nov	2,799.1	2,342.5	456.6	57.4	35.9	132.9	58.9	nr	571.3	295.4	46.4	48.0	25.0	79.1	151.2	38.1	19.6	36.8	746.6
Oilseeds																			
2021/22	611.7	480.3	131.4	20.5	0.9	23.1	24.3	nr	62.1	43.2	14.3	3.3	1.0	49.9	135.2	8.7	3.4	3.4	87.2
2022/23 prel.	631.3	505.6	125.8	25.3	0.9	26.6	19.8	nr	68.0	42.4	14.8	2.7	1.0	31.6	163.0	10.1	3.8	4.0	91.6
2023/24 proj.																			
Oct	659.4	538.5	120.9	24.6	0.8	27.0	23.1	nr	67.3	40.9	14.9	3.7	1.0	54.5	168.9	6.7	4.0	3.1	97.8
Nov	661.5	539.9	121.5	24.6	0.7	27.7	24.0	nr	67.3	40.9	14.9	3.7	1.0	54.6	168.9	6.7	3.8	3.1	97.8
Cotton																			
2021/22	114.5	97.0	17.5	0.0	1.2	0.0	0.0	1.7	26.8	24.3	0.0	6.0	0.0	1.4	10.8	5.9	0.1	3.8	15.1
2022/23 prel.	116.6	102.2	14.5	0.0	1.6	0.0	0.0	1.6	30.7	26.3	0.0	3.9	0.0	1.5	11.7	5.8	0.1	4.9	14.1
2023/24 proj.																			
Oct	112.6	99.8	12.8	0.0	1.1	0.0	0.0	1.1	27.0	25.0	0.0	6.5	0.0	1.3	14.6	5.1	0.1	3.5	14.6
Nov	113.5	100.4	13.1	0.0	1.1	0.0	0.0	1.1	27.0	25.0	0.0	6.5	0.0	1.5	14.6	5.1	0.1	3.5	15.0

1/ Includes wheat, coarse grains, and rice (milled) shown above.

Table 02 Wheat Area, Yield, and Production

Country / Region	Area (Million hectares)				Yield (Metric tons per hectare)				Production (Million metric tons)				Change in Production			
	Prel. 2021/22	2022/23	2023/24 Proj. Oct	Nov	Prel. 2021/22	2022/23	2023/24 Proj. Oct	Nov	Prel. 2021/22	2022/23	2023/24 Proj. Oct	Nov	From last month MMT	Percent	From last year MMT	Percent
World	221.92	220.61	223.10	223.05	3.52	3.58	3.51	3.51	781.01	789.49	783.43	781.98	-1.45	-0.19	-7.51	-0.95
United States	15.03	14.36	15.08	15.08	2.98	3.13	3.27	3.27	44.80	44.90	49.31	49.31	0.00	0.00	4.42	9.84
Total Foreign	206.89	206.25	208.01	207.96	3.56	3.61	3.53	3.52	736.21	744.60	734.12	732.67	-1.45	-0.20	-11.93	-1.60
European Union	24.29	24.38	24.25	24.22	5.69	5.50	5.53	5.55	138.16	134.19	134.00	134.30	0.30	0.22	0.12	0.09
United Kingdom	1.79	1.81	1.75	1.73	7.81	8.59	8.43	8.29	13.99	15.54	14.75	14.30	-0.45	-3.05	-1.24	-7.98
Serbia	0.60	0.62	0.73	0.73	5.71	5.16	4.97	4.97	3.40	3.20	3.60	3.60	0.00	0.00	0.40	12.50
China	23.57	23.52	23.70	23.70	5.81	5.86	5.78	5.78	136.95	137.72	137.00	137.00	0.00	0.00	-0.72	-0.52
South Asia																
India	31.13	30.46	32.00	31.40	3.52	3.41	3.55	3.52	109.59	104.00	113.50	110.55	-2.95	-2.60	6.55	6.30
Pakistan	9.17	9.00	8.86	8.86	3.00	2.93	3.16	3.16	27.46	26.40	28.00	28.00	0.00	0.00	1.60	6.06
Afghanistan	2.05	2.20	2.35	2.35	2.45	2.05	2.20	2.20	5.02	4.50	5.17	5.17	0.00	0.00	0.67	14.89
Nepal	0.72	0.72	0.72	0.72	2.99	2.98	3.02	2.90	2.15	2.15	2.18	2.09	-0.09	-3.91	-0.06	-2.56
Former Soviet Union - 12																
Russia	27.63	29.00	28.30	29.00	2.72	3.17	3.00	3.10	75.16	92.00	85.00	90.00	5.00	5.88	-2.00	-2.17
Russia Winter	15.22	16.30	14.60	15.20	3.43	4.17	4.14	4.24	52.19	68.00	60.50	64.50	4.00	6.61	-3.50	-5.15
Russia Spring	12.41	12.70	13.70	13.80	1.85	1.89	1.79	1.85	22.96	24.00	24.50	25.50	1.00	4.08	1.50	6.25
Ukraine	7.41	5.60	5.00	5.00	4.45	3.84	4.50	4.50	33.01	21.50	22.50	22.50	0.00	0.00	1.00	4.65
Kazakhstan	12.72	12.81	13.60	13.60	0.93	1.28	0.96	0.88	11.81	16.40	13.00	12.00	-1.00	-7.69	-4.40	-26.85
Uzbekistan	1.24	1.40	1.40	1.40	4.83	4.48	4.50	4.50	5.99	6.27	6.30	6.30	0.00	0.00	0.03	0.48
Belarus	0.65	0.68	0.68	0.68	3.54	3.48	3.38	3.38	2.30	2.35	2.30	2.30	0.00	0.00	-0.05	-2.13
Canada	9.20	10.08	10.60	10.60	2.44	3.41	2.92	2.92	22.42	34.34	31.00	31.00	0.00	0.00	-3.34	-9.71
South America																
Argentina	6.55	5.50	5.50	5.50	3.38	2.28	3.00	2.73	22.15	12.55	16.50	15.00	-1.50	-9.09	2.45	19.52
Brazil	2.74	3.09	3.40	3.40	2.81	3.43	2.88	2.76	7.70	10.60	9.80	9.40	-0.40	-4.08	-1.20	-11.32
Australia	12.73	13.05	12.60	12.60	2.85	3.04	1.94	1.94	36.24	39.69	24.50	24.50	0.00	0.00	-15.19	-38.26
Africa																
Egypt	1.44	1.45	1.35	1.35	6.85	6.55	6.57	6.57	9.84	9.50	8.87	8.87	0.00	0.00	-0.63	-6.63
Morocco	2.86	2.50	2.55	2.55	2.64	1.08	1.63	1.63	7.54	2.70	4.16	4.16	0.00	0.00	1.46	54.07
Algeria	2.08	2.08	2.08	2.08	1.20	1.78	1.30	1.30	2.50	3.70	2.70	2.70	0.00	0.00	-1.00	-27.03
Ethiopia	1.95	1.90	1.90	1.80	2.83	3.05	2.89	2.89	5.52	5.80	5.50	5.20	-0.30	-5.45	-0.60	-10.34
Middle East																
Turkey	7.05	6.80	7.20	7.20	2.27	2.54	2.71	2.71	16.00	17.25	19.50	19.50	0.00	0.00	2.25	13.04
Iran	6.00	6.20	6.20	6.20	2.00	2.13	2.26	2.26	12.00	13.20	14.00	14.00	0.00	0.00	0.80	6.06
Iraq	2.00	2.00	2.20	2.20	1.75	1.50	1.91	1.91	3.50	3.00	4.20	4.20	0.00	0.00	1.20	40.00
Syria	1.57	1.50	1.20	1.20	1.25	1.40	2.00	2.00	1.95	2.10	2.40	2.40	0.00	0.00	0.30	14.29
Mexico	0.55	0.59	0.56	0.56	6.00	6.07	6.19	6.19	3.28	3.57	3.47	3.47	0.00	0.00	-0.11	-3.00
Others	7.24	7.32	7.34	7.35	2.85	2.78	2.75	2.74	20.60	20.39	20.23	20.16	-0.07	-0.34	-0.23	-1.12

World and Selected Countries and Regions

Table 03 Total Coarse Grain Area, Yield, and Production

Country / Region	Area (Million hectares)				Yield (Metric tons per hectare)				Production (Million metric tons)				Change in Production			
	Prel. 2021/22	2022/23	2023/24 Proj. Oct	Nov	Prel. 2021/22	2022/23	2023/24 Proj. Oct	Nov	Prel. 2021/22	2022/23	2023/24 Proj. Oct	Nov	From last month MMT	Percent	From last year MMT	Percent
World	343.56	334.55	340.15	339.39	4.37	4.33	4.39	4.42	1,501.77	1,447.12	1,494.55	1,499.31	4.75	0.32	52.18	3.61
United States	38.34	35.35	39.28	39.28	10.37	10.13	10.10	10.19	397.71	358.10	396.91	400.27	3.36	0.85	42.17	11.77
Total Foreign	305.22	299.20	300.87	300.11	3.62	3.64	3.65	3.66	1,104.06	1,089.03	1,097.65	1,099.04	1.40	0.13	10.02	0.92
China	45.77	45.52	45.44	45.44	6.14	6.27	6.28	6.28	280.85	285.50	285.30	285.30	0.00	0.00	-0.20	-0.07
European Union	27.70	26.54	25.93	25.93	5.59	5.01	5.26	5.25	154.84	132.94	136.25	136.13	-0.12	-0.09	3.19	2.40
United Kingdom	1.43	1.34	1.39	1.36	5.88	6.46	6.00	5.96	8.41	8.67	8.33	8.13	-0.20	-2.40	-0.54	-6.25
South America																
Brazil	23.37	24.10	24.77	24.77	5.16	5.88	5.42	5.42	120.62	141.60	134.33	134.33	0.00	0.00	-7.28	-5.14
Argentina	9.62	9.13	9.48	9.48	6.10	4.46	6.71	6.68	58.64	40.72	63.58	63.28	-0.30	-0.47	22.56	55.40
Former Soviet Union - 12																
Russia	14.01	13.60	12.90	13.13	2.75	3.25	3.09	3.22	38.54	44.13	39.80	42.20	2.40	6.03	-1.93	-4.38
Ukraine	8.66	6.32	5.92	6.02	6.18	5.37	5.84	6.05	53.51	33.93	34.57	36.42	1.85	5.35	2.50	7.35
Kazakhstan	2.63	2.63	2.95	2.95	1.43	1.79	1.39	1.39	3.76	4.71	4.10	4.10	0.00	0.00	-0.62	-13.08
Belarus	0.99	1.03	1.05	1.05	3.05	3.11	3.09	3.09	3.00	3.20	3.23	3.23	0.00	0.00	0.03	0.94
Africa																
Nigeria	13.70	13.50	13.40	13.40	1.56	1.59	1.54	1.54	21.40	21.51	20.70	20.70	0.00	0.00	-0.81	-3.75
South Africa	3.19	3.13	3.20	3.20	5.22	5.61	5.44	5.44	16.64	17.53	17.39	17.39	0.00	0.00	-0.14	-0.80
Tanzania	5.74	5.30	5.30	5.30	1.47	1.36	1.36	1.36	8.45	7.23	7.23	7.23	0.00	0.00	0.00	0.00
Burkina Faso	4.20	4.20	4.20	4.20	1.00	1.13	1.13	1.13	4.20	4.73	4.75	4.75	0.00	0.00	0.02	0.38
Ethiopia	5.60	5.42	5.65	5.65	3.10	3.18	3.24	3.24	17.37	17.20	18.30	18.30	0.00	0.00	1.10	6.38
Egypt	1.17	1.16	1.18	1.23	7.11	7.13	7.15	6.37	8.31	8.30	8.46	7.86	-0.60	-7.09	-0.44	-5.30
Mali	5.16	4.80	4.80	4.80	1.23	1.49	1.42	1.42	6.34	7.15	6.80	6.80	0.00	0.00	-0.35	-4.87
India	22.84	23.90	24.34	24.23	2.25	2.38	2.20	2.18	51.39	56.78	53.59	52.81	-0.78	-1.45	-3.96	-6.98
Southeast Asia																
Indonesia	3.90	3.95	4.00	4.00	3.26	3.27	3.28	3.23	12.70	12.90	13.10	12.90	-0.20	-1.53	0.00	0.00
Philippines	2.56	2.50	2.57	2.57	3.26	3.32	3.27	3.27	8.34	8.30	8.40	8.40	0.00	0.00	0.10	1.20
Vietnam	0.90	0.89	0.83	0.83	4.92	4.99	4.94	4.94	4.45	4.42	4.10	4.10	0.00	0.00	-0.32	-7.30
Thailand	1.23	1.21	1.28	1.28	4.36	4.35	4.27	4.27	5.35	5.25	5.45	5.45	0.00	0.00	0.20	3.81
Mexico	8.88	8.64	8.94	8.52	3.69	3.92	3.72	3.79	32.79	33.88	33.24	32.31	-0.93	-2.80	-1.57	-4.63
Canada	5.91	5.74	5.26	5.26	4.25	5.32	5.02	5.02	25.12	30.54	26.38	26.38	0.00	0.00	-4.16	-13.61
Australia	6.69	5.68	5.63	5.63	2.87	3.29	2.32	2.32	19.22	18.66	13.04	13.04	0.00	0.00	-5.62	-30.09
Middle East																
Turkey	4.46	4.55	4.57	4.57	2.60	3.25	3.72	3.67	11.58	14.77	16.97	16.77	-0.20	-1.18	2.00	13.53
Iran	1.91	1.86	1.86	1.86	2.16	2.38	2.38	2.38	4.12	4.42	4.42	4.42	0.00	0.00	0.00	-0.02
Others	73.00	72.59	74.07	73.49	1.70	1.65	1.70	1.72	124.13	120.07	125.85	126.32	0.48	0.38	6.25	5.21

World and Selected Countries and Regions; Coarse Grain includes: Barley, Corn, Millet, Mixed Grains, Oats, Rye and Sorghum

Table 04 Corn Area, Yield, and Production

Country / Region	Area (Million hectares)				Yield (Metric tons per hectare)				Production (Million metric tons)				Change in Production			
	Prel. 2021/22	2022/23	2023/24 Proj. Oct	Nov	Prel. 2021/22	2022/23	2023/24 Proj. Oct	Nov	Prel. 2021/22	2022/23	2023/24 Proj. Oct	Nov	From last month MMT	Percent	From last year MMT	Percent
World	206.29	200.55	204.74	203.76	5.90	5.77	5.93	5.99	1,217.27	1,157.08	1,214.47	1,220.79	6.32	0.52	63.71	5.51
United States	34.53	32.02	35.25	35.25	11.09	10.88	10.86	10.98	382.89	348.37	382.65	386.97	4.32	1.13	38.60	11.08
Total Foreign	171.76	168.53	169.49	168.51	4.86	4.80	4.91	4.95	834.38	808.71	831.82	833.83	2.01	0.24	25.11	3.11
China	43.32	43.07	43.00	43.00	6.29	6.44	6.44	6.44	272.55	277.20	277.00	277.00	0.00	0.00	-0.20	-0.07
South America																
Brazil	21.80	22.40	22.90	22.90	5.32	6.12	5.63	5.63	116.00	137.00	129.00	129.00	0.00	0.00	-8.00	-5.84
Argentina	7.10	6.70	7.10	7.10	6.97	5.07	7.75	7.75	49.50	34.00	55.00	55.00	0.00	0.00	21.00	61.76
Bolivia	0.41	0.44	0.43	0.43	2.42	2.52	2.62	2.62	0.99	1.10	1.13	1.13	0.00	0.00	0.03	2.27
European Union	9.23	8.82	8.22	8.27	7.75	5.93	7.27	7.24	71.55	52.29	59.70	59.80	0.10	0.17	7.51	14.36
Africa																
South Africa	3.00	2.95	3.00	3.00	5.38	5.81	5.60	5.60	16.14	17.10	16.80	16.80	0.00	0.00	-0.30	-1.75
Nigeria	6.00	5.80	5.70	5.70	2.12	2.20	2.11	2.11	12.75	12.74	12.00	12.00	0.00	0.00	-0.74	-5.77
Ethiopia	2.53	2.55	2.56	2.56	3.72	4.00	4.06	4.06	9.40	10.20	10.40	10.40	0.00	0.00	0.20	1.96
Egypt	0.93	0.93	0.95	1.00	8.00	8.00	8.00	7.00	7.44	7.44	7.60	7.00	-0.60	-7.89	-0.44	-5.91
Tanzania	4.40	4.00	4.00	4.00	1.60	1.48	1.48	1.48	7.04	5.90	5.90	5.90	0.00	0.00	0.00	0.00
Malawi	1.75	1.82	1.79	1.79	2.62	2.05	1.96	1.96	4.58	3.72	3.51	3.51	0.00	0.00	-0.21	-5.57
Zambia	1.41	1.37	1.42	1.42	2.57	1.94	2.30	2.30	3.62	2.65	3.26	3.26	0.00	0.00	0.61	22.95
Kenya	2.17	1.90	2.00	2.00	1.52	1.53	1.60	1.60	3.30	2.90	3.20	3.20	0.00	0.00	0.30	10.34
Uganda	1.10	1.10	1.10	1.10	2.55	2.55	2.55	2.55	2.80	2.80	2.80	2.80	0.00	0.00	0.00	0.00
Zimbabwe	0.96	1.00	1.80	1.00	1.53	1.45	0.83	1.50	1.47	1.45	1.50	1.50	0.00	0.00	0.05	3.23
Former Soviet Union - 12																
Ukraine	5.49	4.05	4.00	4.00	7.68	6.67	7.00	7.38	42.13	27.00	28.00	29.50	1.50	5.36	2.50	9.26
Russia	2.90	2.64	2.50	2.58	5.25	6.00	5.84	6.21	15.23	15.83	14.60	16.00	1.40	9.59	0.17	1.06
South Asia																
India	9.96	10.74	10.00	10.00	3.39	3.54	3.43	3.43	33.73	38.09	34.30	34.30	0.00	0.00	-3.79	-9.94
Pakistan	1.65	1.60	1.65	1.65	6.43	5.83	6.36	6.36	10.64	9.33	10.50	10.50	0.00	0.00	1.17	12.53
Nepal	0.97	0.97	0.97	0.97	2.82	2.82	2.82	2.82	2.72	2.72	2.72	2.72	0.00	0.00	0.00	0.00
Southeast Asia																
Indonesia	3.90	3.95	4.00	4.00	3.26	3.27	3.28	3.23	12.70	12.90	13.10	12.90	-0.20	-1.53	0.00	0.00
Philippines	2.56	2.50	2.57	2.57	3.26	3.32	3.27	3.27	8.34	8.30	8.40	8.40	0.00	0.00	0.10	1.20
Vietnam	0.90	0.89	0.83	0.83	4.92	4.99	4.94	4.94	4.45	4.42	4.10	4.10	0.00	0.00	-0.32	-7.30
Thailand	1.20	1.18	1.25	1.25	4.42	4.41	4.32	4.32	5.30	5.20	5.40	5.40	0.00	0.00	0.20	3.85
Mexico	7.09	6.89	7.15	6.75	3.77	4.07	3.83	3.93	26.76	28.08	27.40	26.50	-0.90	-3.28	-1.58	-5.62
Canada	1.46	1.44	1.50	1.50	9.99	10.07	10.20	10.20	14.61	14.54	15.30	15.30	0.00	0.00	0.76	5.23
Turkey	0.54	0.53	0.65	0.65	12.04	12.83	12.62	12.62	6.50	6.80	8.20	8.20	0.00	0.00	1.40	20.59
Others	27.03	26.32	26.46	26.52	2.67	2.55	2.68	2.70	72.15	67.01	71.00	71.71	0.71	0.99	4.69	7.00

World and Selected Countries and Regions

Table 05 Barley Area, Yield, and Production

Country / Region	Area (Million hectares)				Yield (Metric tons per hectare)				Production (Million metric tons)				Change in Production			
	Prel. 2021/22	2022/23	2023/24 Proj. Oct	Nov	Prel. 2021/22	2022/23	2023/24 Proj. Oct	Nov	Prel. 2021/22	2022/23	2023/24 Proj. Oct	Nov	From last month MMT	Percent	From last year MMT	Percent
World	49.78	47.24	47.27	47.37	2.92	3.21	3.00	3.00	145.34	151.54	141.77	142.28	0.51	0.36	-9.25	-6.11
United States	0.81	0.99	1.03	1.03	3.25	3.85	3.90	3.90	2.62	3.81	4.03	4.03	0.00	0.00	0.22	5.72
Total Foreign	48.98	46.25	46.24	46.33	2.91	3.19	2.98	2.98	142.72	147.73	137.74	138.26	0.51	0.37	-9.47	-6.41
European Union	10.27	10.30	10.37	10.32	5.06	5.02	4.69	4.69	52.01	51.69	48.65	48.35	-0.30	-0.62	-3.34	-6.47
United Kingdom	1.15	1.10	1.15	1.13	6.05	6.69	6.22	6.22	6.96	7.39	7.15	7.00	-0.15	-2.10	-0.39	-5.21
Former Soviet Union - 12																
Russia	7.69	7.75	7.50	7.65	2.28	2.77	2.60	2.68	17.51	21.50	19.50	20.50	1.00	5.13	-1.00	-4.65
Ukraine	2.68	1.95	1.60	1.70	3.70	3.13	3.63	3.62	9.92	6.10	5.80	6.15	0.35	6.03	0.05	0.82
Kazakhstan	2.16	2.18	2.50	2.50	1.10	1.51	1.08	1.08	2.37	3.29	2.70	2.70	0.00	0.00	-0.59	-17.86
Belarus	0.35	0.40	0.40	0.40	2.86	2.75	2.75	2.75	1.00	1.10	1.10	1.10	0.00	0.00	0.00	0.00
Azerbaijan	0.37	0.38	0.38	0.38	3.07	2.93	2.93	2.93	1.15	1.10	1.10	1.10	0.00	0.00	0.00	0.00
Canada	3.01	2.64	2.70	2.70	2.32	3.79	2.96	2.96	6.98	9.99	8.00	8.00	0.00	0.00	-1.99	-19.90
Australia	5.10	4.13	4.20	4.20	2.81	3.43	2.31	2.31	14.34	14.14	9.70	9.70	0.00	0.00	-4.44	-31.39
Middle East																
Turkey	3.70	3.80	3.70	3.70	1.22	1.95	2.22	2.16	4.50	7.40	8.20	8.00	-0.20	-2.44	0.60	8.11
Iran	1.70	1.65	1.65	1.65	1.59	1.82	1.82	1.82	2.70	3.00	3.00	3.00	0.00	0.00	0.00	0.00
Iraq	0.60	0.60	0.60	0.60	1.17	1.13	1.33	1.33	0.70	0.68	0.80	0.80	0.00	0.00	0.12	17.65
Syria	1.44	0.90	0.90	0.90	0.18	0.78	1.22	1.22	0.25	0.70	1.10	1.10	0.00	0.00	0.40	57.14
Africa																
Ethiopia	0.96	0.98	0.98	0.98	2.45	2.22	2.46	2.46	2.35	2.18	2.40	2.40	0.00	0.00	0.22	9.89
Morocco	1.49	1.10	1.20	1.20	1.87	0.64	1.13	1.13	2.78	0.70	1.35	1.35	0.00	0.00	0.65	92.86
Algeria	1.03	1.03	1.03	1.03	0.93	1.56	1.00	1.00	0.95	1.60	1.03	1.03	0.00	0.00	-0.58	-35.94
Tunisia	0.28	0.30	0.20	0.20	1.54	1.53	0.85	0.85	0.43	0.46	0.17	0.17	0.00	0.00	-0.29	-63.04
South Africa	0.10	0.10	0.11	0.11	3.52	2.99	3.55	3.55	0.33	0.30	0.39	0.39	0.00	0.00	0.09	29.14
South America																
Argentina	1.34	1.57	1.40	1.40	3.96	2.88	3.79	3.57	5.30	4.50	5.30	5.00	-0.30	-5.66	0.50	11.11
Uruguay	0.22	0.21	0.18	0.18	4.11	4.25	4.17	3.89	0.92	0.90	0.75	0.70	-0.05	-6.67	-0.20	-21.96
Brazil	0.11	0.12	0.13	0.13	3.79	3.92	3.96	3.96	0.43	0.48	0.50	0.50	0.00	0.00	0.01	2.70
India	0.59	0.45	0.74	0.63	2.80	3.03	2.30	3.05	1.66	1.37	1.69	1.91	0.22	13.20	0.54	39.53
China	0.51	0.51	0.50	0.50	3.92	3.92	4.00	4.00	2.00	2.00	2.00	2.00	0.00	0.00	0.00	0.00
Mexico	0.35	0.30	0.33	0.33	3.11	2.69	2.92	2.92	1.09	0.80	0.95	0.95	0.00	0.00	0.16	19.50
Afghanistan	0.04	0.08	0.08	0.08	1.63	1.38	1.38	1.38	0.07	0.11	0.11	0.11	0.00	0.00	0.00	0.00
Others	1.74	1.74	1.74	1.76	2.32	2.45	2.48	2.41	4.04	4.26	4.31	4.25	-0.06	-1.44	0.00	-0.09

World and Selected Countries and Regions

Table 06 Oats Area, Yield, and Production

Country / Region	Area (Million hectares)				Yield (Metric tons per hectare)				Production (Million metric tons)				Change in Production			
	Prel. 2021/22	2022/23	2023/24 Proj. Oct	Nov	Prel. 2021/22	2022/23	2023/24 Proj. Oct	Nov	Prel. 2021/22	2022/23	2023/24 Proj. Oct	Nov	From last month MMT	Percent	From last year MMT	Percent
World	9.63	9.33	8.41	8.39	2.36	2.69	2.43	2.43	22.69	25.13	20.45	20.43	-0.02	-0.10	-4.70	-18.71
United States	0.26	0.36	0.34	0.34	2.20	2.33	2.46	2.46	0.58	0.84	0.83	0.83	0.00	0.00	-0.01	-1.08
Total Foreign	9.36	8.97	8.07	8.06	2.36	2.71	2.43	2.43	22.11	24.29	19.62	19.60	-0.02	-0.10	-4.69	-19.32
European Union	2.54	2.34	2.31	2.31	2.94	3.17	2.92	2.95	7.47	7.41	6.75	6.81	0.06	0.89	-0.60	-8.08
Former Soviet Union - 12																
Russia	2.17	2.13	1.80	1.80	1.72	2.11	1.94	1.94	3.73	4.50	3.50	3.50	0.00	0.00	-1.00	-22.22
Ukraine	0.18	0.15	0.15	0.15	2.61	2.47	2.33	2.33	0.48	0.38	0.35	0.35	0.00	0.00	-0.03	-7.89
Belarus	0.15	0.16	0.16	0.16	2.33	2.42	2.26	2.26	0.35	0.38	0.35	0.35	0.00	0.00	-0.03	-6.67
Kazakhstan	0.20	0.20	0.19	0.19	0.90	1.16	1.16	1.16	0.18	0.23	0.22	0.22	0.00	0.00	-0.01	-3.93
Canada	1.21	1.40	0.85	0.85	2.39	3.73	2.94	2.94	2.90	5.23	2.50	2.50	0.00	0.00	-2.73	-52.16
South America																
Argentina	0.35	0.26	0.29	0.29	2.07	1.67	2.14	2.14	0.73	0.43	0.61	0.61	0.00	0.00	0.18	42.19
Brazil	0.50	0.50	0.51	0.51	2.27	2.38	2.39	2.39	1.14	1.19	1.22	1.22	0.00	0.00	0.03	2.52
Chile	0.12	0.07	0.10	0.10	4.70	4.38	4.74	4.74	0.58	0.32	0.45	0.45	0.00	0.00	0.14	42.86
Uruguay	0.01	0.02	0.01	0.01	2.21	2.40	2.20	2.20	0.03	0.04	0.02	0.02	0.00	0.00	-0.01	-38.89
Oceania																
Australia	0.84	0.75	0.70	0.70	2.06	2.13	1.57	1.57	1.74	1.59	1.10	1.10	0.00	0.00	-0.49	-30.69
New Zealand	0.00	0.01	0.01	0.01	6.25	5.67	5.67	5.67	0.03	0.03	0.03	0.03	0.00	0.00	0.00	0.00
China	0.41	0.41	0.41	0.41	1.48	1.48	1.48	1.48	0.60	0.60	0.60	0.60	0.00	0.00	0.00	0.00
Africa																
Algeria	0.08	0.08	0.08	0.08	1.31	1.31	1.31	1.31	0.11	0.11	0.11	0.11	0.00	0.00	0.00	0.00
Morocco	0.02	0.02	0.01	0.01	0.33	0.40	0.31	0.31	0.01	0.01	0.00	0.00	0.00	0.00	0.00	-33.33
South Africa	0.04	0.03	0.03	0.03	1.64	1.04	1.79	1.79	0.06	0.03	0.05	0.05	0.00	0.00	0.02	78.57
Other Europe																
United Kingdom	0.20	0.17	0.17	0.17	5.62	5.79	5.45	5.15	1.12	1.01	0.90	0.85	-0.05	-5.56	-0.16	-15.59
Norway	0.07	0.07	0.07	0.07	4.29	4.29	4.29	4.29	0.30	0.30	0.30	0.30	0.00	0.00	0.00	0.00
Serbia	0.02	0.02	0.02	0.02	3.11	2.80	3.00	3.00	0.06	0.04	0.06	0.06	0.00	0.00	0.02	42.86
Albania	0.02	0.02	0.02	0.02	2.20	2.20	2.27	2.27	0.03	0.03	0.03	0.03	0.00	0.00	0.00	3.03
Bosnia and Herzegovina	0.01	0.01	0.01	0.01	2.82	4.00	3.43	3.43	0.03	0.04	0.02	0.02	0.00	0.00	-0.02	-45.45
Turkey	0.11	0.11	0.11	0.11	2.38	2.38	2.38	2.38	0.25	0.25	0.25	0.25	0.00	0.00	0.00	0.00
Mexico	0.05	0.05	0.05	0.03	2.02	2.22	2.00	2.00	0.09	0.11	0.09	0.06	-0.03	-33.33	-0.05	-46.90
Others	0.06	0.03	0.06	0.06	1.66	1.63	1.68	1.68	0.10	0.05	0.09	0.09	0.00	0.00	0.04	80.77

World and Selected Countries and Regions

Table 07 Rye Area, Yield, and Production

Country / Region	Area (Million hectares)				Yield (Metric tons per hectare)				Production (Million metric tons)				Change in Production			
	Prel. 2021/22	2022/23	2023/24 Proj. Oct	Nov	Prel. 2021/22	2022/23	2023/24 Proj. Oct	Nov	Prel. 2021/22	2022/23	2023/24 Proj. Oct	Nov	From last month MMT	Percent	From last year MMT	Percent
World	4.03	3.70	3.61	3.61	3.10	3.32	3.24	3.24	12.52	12.29	11.69	11.69	0.00	0.00	-0.60	-4.88
United States	0.12	0.14	0.13	0.13	2.09	2.26	2.03	2.03	0.25	0.31	0.26	0.26	0.00	0.00	-0.05	-15.38
Total Foreign	3.92	3.56	3.48	3.48	3.13	3.36	3.29	3.29	12.27	11.98	11.42	11.42	0.00	0.00	-0.55	-4.61
European Union	1.93	1.78	1.85	1.85	4.16	4.29	4.10	4.10	8.01	7.63	7.58	7.58	0.00	0.00	-0.05	-0.67
Former Soviet Union - 12																
Russia	0.99	0.88	0.80	0.80	1.73	2.27	2.25	2.25	1.72	2.00	1.80	1.80	0.00	0.00	-0.20	-10.00
Belarus	0.33	0.30	0.31	0.31	2.46	2.50	2.52	2.52	0.80	0.75	0.78	0.78	0.00	0.00	0.03	4.00
Ukraine	0.18	0.10	0.08	0.08	3.43	3.15	2.88	2.88	0.60	0.32	0.23	0.23	0.00	0.00	-0.09	-26.98
Kazakhstan	0.04	0.03	0.02	0.02	0.91	1.76	1.36	1.36	0.04	0.06	0.03	0.03	0.00	0.00	-0.03	-50.00
Turkey	0.12	0.11	0.11	0.11	2.87	2.91	2.91	2.91	0.33	0.32	0.32	0.32	0.00	0.00	0.00	0.00
Canada	0.12	0.15	0.12	0.12	3.21	3.42	3.04	3.04	0.37	0.52	0.35	0.35	0.00	0.00	-0.17	-32.69
South America																
Chile	0.00	0.00	0.00	0.00	5.00	5.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	100.00	-0.01	-100.00
Argentina	0.12	0.11	0.09	0.09	1.88	1.66	1.83	1.83	0.23	0.18	0.17	0.17	0.00	0.00	-0.01	-7.82
Other Europe																
Bosnia and Herzegovina	0.00	0.00	0.00	0.00	3.00	3.00	3.00	3.00	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00
Switzerland	0.00	0.00	0.00	0.00	5.50	5.50	5.50	5.50	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00
Serbia	0.01	0.01	0.01	0.01	3.80	3.00	3.33	3.33	0.02	0.02	0.02	0.02	0.00	0.00	0.00	11.11
Australia	0.05	0.05	0.05	0.05	0.71	0.71	0.71	0.71	0.03	0.03	0.03	0.03	0.00	0.00	0.00	0.00
Others	0.04	0.05	0.04	0.04	2.18	2.80	2.20	2.20	0.10	0.13	0.10	0.10	0.00	0.00	-0.03	-23.02

World and Selected Countries and Regions

Table 08 Sorghum Area, Yield, and Production

Country / Region	Area (Million hectares)				Yield (Metric tons per hectare)				Production (Million metric tons)				Change in Production			
	Prel. 2021/22	2022/23	2023/24 Proj. Oct	Nov	Prel. 2021/22	2022/23	2023/24 Proj. Oct	Nov	Prel. 2021/22	2022/23	2023/24 Proj. Oct	Nov	From last month MMT	Percent	From last year MMT	Percent
World	40.61	39.66	41.64	41.75	1.49	1.39	1.47	1.44	60.63	55.09	61.02	59.92	-1.10	-1.80	4.83	8.77
United States	2.63	1.85	2.53	2.53	4.33	2.58	3.61	3.23	11.38	4.77	9.13	8.18	-0.96	-10.50	3.41	71.38
Total Foreign	37.98	37.81	39.11	39.21	1.30	1.33	1.33	1.32	49.26	50.32	51.89	51.75	-0.14	-0.27	1.43	2.84
Africa																
Nigeria	5.70	5.70	5.70	5.70	1.18	1.18	1.18	1.18	6.73	6.74	6.70	6.70	0.00	0.00	-0.04	-0.62
Ethiopia	1.65	1.52	1.66	1.66	2.70	2.56	2.65	2.65	4.45	3.88	4.40	4.40	0.00	0.00	0.52	13.49
Sudan	6.92	7.00	7.50	7.50	0.51	0.75	0.67	0.67	3.53	5.25	5.00	5.00	0.00	0.00	-0.25	-4.73
Burkina Faso	1.90	1.90	1.90	1.90	0.87	1.06	1.00	1.00	1.64	2.01	1.90	1.90	0.00	0.00	-0.11	-5.66
Mali	1.55	1.50	1.50	1.50	0.81	1.05	1.00	1.00	1.25	1.58	1.50	1.50	0.00	0.00	-0.08	-5.18
Niger	3.52	3.70	3.70	3.70	0.34	0.57	0.51	0.51	1.21	2.10	1.90	1.90	0.00	0.00	-0.20	-9.52
Cameroon	0.74	0.74	0.74	0.74	1.62	1.62	1.62	1.62	1.20	1.20	1.20	1.20	0.00	0.00	0.00	0.00
Tanzania	1.04	1.00	1.00	1.00	1.04	1.00	1.00	1.00	1.08	1.00	1.00	1.00	0.00	0.00	0.00	0.00
Egypt	0.16	0.15	0.15	0.15	4.90	5.00	5.00	5.00	0.77	0.75	0.75	0.75	0.00	0.00	0.00	0.00
Uganda	0.23	0.25	0.25	0.25	0.87	0.90	0.90	0.90	0.20	0.23	0.23	0.23	0.00	0.00	0.00	0.00
Ghana	0.31	0.31	0.31	0.31	1.05	1.49	1.13	1.13	0.32	0.46	0.35	0.35	0.00	0.00	-0.11	-24.41
Mozambique	0.25	0.25	0.25	0.25	0.64	0.61	0.64	0.64	0.16	0.15	0.16	0.16	0.00	0.00	0.01	4.58
South Africa	0.04	0.04	0.04	0.04	2.78	2.86	3.75	3.75	0.10	0.10	0.15	0.15	0.00	0.00	0.05	50.00
Mexico	1.40	1.40	1.42	1.42	3.47	3.50	3.38	3.38	4.84	4.89	4.80	4.80	0.00	0.00	-0.09	-1.88
South America																
Argentina	0.70	0.50	0.60	0.60	4.12	3.22	4.17	4.17	2.88	1.61	2.50	2.50	0.00	0.00	0.89	55.28
Brazil	0.95	1.07	1.23	1.23	3.20	2.72	2.93	2.93	3.04	2.92	3.60	3.60	0.00	0.00	0.68	23.29
South Asia																
India	3.80	3.54	4.10	4.10	1.09	1.08	1.07	1.07	4.15	3.81	4.40	4.40	0.00	0.00	0.59	15.36
Pakistan	0.08	0.22	0.22	0.22	0.83	0.63	0.63	0.63	0.06	0.14	0.14	0.14	0.00	0.00	0.00	0.00
China	0.63	0.63	0.63	0.63	4.76	4.76	4.76	4.76	3.00	3.00	3.00	3.00	0.00	0.00	0.00	0.00
Australia	0.62	0.67	0.60	0.60	4.26	3.65	3.00	3.00	2.65	2.46	1.80	1.80	0.00	0.00	-0.66	-26.68
European Union	0.15	0.13	0.13	0.13	5.44	4.29	5.15	5.19	0.80	0.55	0.67	0.69	0.02	2.99	0.14	24.77
Others	5.67	5.61	5.48	5.58	0.92	0.98	1.05	1.00	5.20	5.49	5.75	5.59	-0.16	-2.80	0.10	1.82

World and Selected Countries and Regions

Table 09 Rice Area, Yield, and Production

World and Selected Countries and Regions

Country / Region	Area (Million hectares)				Yield (Metric tons per hectare)				Production (Million metric tons)				Change in Production			
	Prel. 2021/22		2023/24 Proj. Oct Nov		Prel. 2021/22		2023/24 Proj. Oct Nov		Prel. 2021/22		2023/24 Proj. Oct Nov		From last month MMT Percent		From last year MMT Percent	
World	165.58	165.61	165.99	165.79	4.64	4.63	4.66	4.66	514.35	513.36	518.14	517.80	-0.34	-0.07	4.44	0.87
United States	1.01	0.88	1.15	1.15	8.64	8.28	8.67	8.64	6.08	5.09	7.00	6.98	-0.03	-0.37	1.88	36.98
Total Foreign	164.58	164.73	164.83	164.63	4.61	4.61	4.63	4.64	508.26	508.26	511.14	510.82	-0.31	-0.06	2.56	0.50
East Asia																
China	29.92	29.45	29.85	29.85	7.11	7.08	7.13	7.13	148.99	145.95	149.00	149.00	0.00	0.00	3.05	2.09
Japan	1.52	1.50	1.47	1.47	6.90	6.86	6.82	6.82	7.64	7.48	7.30	7.30	0.00	0.00	-0.18	-2.41
Korea, South	0.73	0.73	0.71	0.71	7.12	6.87	6.77	6.96	3.88	3.76	3.61	3.68	0.07	2.05	-0.08	-2.13
Korea, North	0.50	0.50	0.54	0.54	4.18	4.18	4.18	4.18	1.36	1.36	1.47	1.47	0.00	0.00	0.11	8.09
South Asia																
India	46.28	47.83	47.00	47.00	4.20	4.26	4.21	4.21	129.47	135.76	132.00	132.00	0.00	0.00	-3.76	-2.77
Bangladesh	11.62	11.60	11.65	11.65	4.63	4.70	4.69	4.69	35.85	36.35	36.40	36.40	0.00	0.00	0.05	0.14
Pakistan	3.54	3.00	3.50	3.50	3.95	2.75	3.86	3.86	9.32	5.50	9.00	9.00	0.00	0.00	3.50	63.64
Nepal	1.48	1.45	1.45	1.45	3.47	3.79	3.79	3.66	3.42	3.65	3.65	3.53	-0.12	-3.39	-0.12	-3.39
Sri Lanka	1.13	1.09	1.10	1.10	3.56	3.76	4.09	4.09	2.73	2.78	3.06	3.06	0.00	0.00	0.28	9.95
Southeast Asia																
Indonesia	11.60	11.55	11.60	11.30	4.67	4.64	4.68	4.67	34.40	34.00	34.45	33.50	-0.95	-2.76	-0.50	-1.47
Vietnam	7.10	7.10	7.16	7.15	6.01	6.07	6.03	6.05	26.67	26.94	27.00	27.00	0.00	0.00	0.06	0.22
Thailand	10.70	11.07	10.60	10.60	2.81	2.86	2.79	2.79	19.88	20.91	19.50	19.50	0.00	0.00	-1.41	-6.74
Burma	7.00	6.80	6.90	6.86	2.77	2.71	2.72	2.72	12.40	11.80	12.00	11.95	-0.05	-0.42	0.15	1.27
Philippines	4.80	4.85	4.80	4.80	4.15	4.13	4.17	4.17	12.54	12.63	12.60	12.60	0.00	0.00	-0.03	-0.20
Cambodia	3.27	3.31	3.37	3.37	2.89	2.94	2.92	2.92	5.77	5.93	6.00	6.00	0.00	0.00	0.07	1.13
Laos	0.94	0.95	0.95	0.95	3.28	3.26	3.21	3.21	1.95	1.95	1.92	1.92	0.00	0.00	-0.03	-1.54
Malaysia	0.65	0.66	0.66	0.66	3.97	3.99	4.08	4.08	1.68	1.70	1.75	1.75	0.00	0.00	0.05	2.94
South America																
Brazil	1.62	1.47	1.40	1.55	6.67	7.01	7.14	7.10	7.34	7.00	6.80	7.48	0.68	10.00	0.48	6.80
Peru	0.42	0.42	0.43	0.43	8.37	8.55	8.52	8.52	2.43	2.48	2.50	2.50	0.00	0.00	0.02	0.64
Africa																
Egypt	0.50	0.60	0.63	0.63	8.41	8.70	8.70	8.70	2.90	3.60	3.78	3.78	0.00	0.00	0.18	5.00
Madagascar	1.60	1.60	1.60	1.60	2.74	2.75	2.75	2.75	2.81	2.82	2.82	2.82	0.00	0.00	0.00	0.00
Nigeria	3.65	3.50	3.50	3.50	2.29	2.43	2.37	2.37	5.26	5.36	5.23	5.23	0.00	0.00	-0.13	-2.35
European Union	0.40	0.33	0.34	0.34	6.64	6.32	6.56	6.56	1.73	1.34	1.43	1.43	0.00	0.00	0.09	6.89
Iran	0.56	0.57	0.57	0.57	5.14	5.32	5.30	5.30	1.90	2.00	2.00	2.00	0.00	0.00	-0.01	-0.25
Others	13.04	12.81	13.06	13.07	3.02	2.99	3.00	3.01	25.95	25.22	25.87	25.93	0.06	0.22	0.71	2.82

Yield is on a rough basis, before the milling process. Production is on a milled basis, after the milling process.

Table 10 Total Oilseed Area, Yield, and Production

World and Selected Countries and Regions

Country / Region	Area (Million hectares)				Yield (Metric tons per hectare)				Production (Million metric tons)				Change in Production			
	Prel. 2021/22	2022/23	2023/24 Proj. Oct	Nov	Prel. 2021/22	2022/23	2023/24 Proj. Oct	Nov	Prel. 2021/22	2022/23	2023/24 Proj. Oct	Nov	From last month MMT	Percent	From last year MMT	Percent
World Total	--	--	--	--	--	--	--	--	611.68	631.34	659.36	661.46	2.09	0.32	30.12	4.77
Total Foreign	--	--	--	--	--	--	--	--	480.33	505.59	538.46	539.92	1.45	0.27	34.33	6.79
Oilseed, Copra	--	--	--	--	--	--	--	--	6.07	6.03	6.05	6.05	0.00	0.00	0.02	0.36
Oilseed, Palm Kernel	--	--	--	--	--	--	--	--	19.14	19.87	20.51	20.51	0.00	0.00	0.64	3.20
Major OilSeeds	260.95	266.37	270.91	270.69	2.25	2.27	2.34	2.35	586.48	605.44	632.81	634.90	2.09	0.33	29.46	4.87
United States	41.06	39.92	38.85	38.85	3.20	3.15	3.11	3.13	131.35	125.75	120.90	121.54	0.64	0.53	-4.21	-3.35
Foreign Oilseeds	219.89	226.45	232.07	231.84	2.07	2.12	2.21	2.21	455.13	479.69	511.91	513.36	1.45	0.28	33.67	7.02
South America	68.65	70.46	73.94	74.06	2.87	2.96	3.25	3.25	196.74	208.63	240.45	240.59	0.15	0.06	31.96	15.32
Brazil	43.23	45.96	47.54	47.54	3.12	3.54	3.55	3.55	135.03	162.85	168.79	168.79	0.00	0.00	5.94	3.65
Argentina	18.77	17.76	19.55	19.63	2.66	1.78	2.79	2.78	49.85	31.57	54.53	54.61	0.08	0.15	23.05	73.01
Paraguay	3.51	3.72	3.65	3.69	1.23	2.48	2.78	2.76	4.31	9.23	10.14	10.20	0.06	0.60	0.97	10.52
Bolivia	1.68	1.61	1.63	1.63	2.18	2.10	2.13	2.13	3.67	3.37	3.48	3.48	0.00	0.00	0.11	3.27
Uruguay	1.32	1.28	1.42	1.42	2.68	1.00	2.21	2.21	3.53	1.28	3.15	3.15	0.00	0.00	1.87	146.75
China	24.02	26.06	26.32	26.32	2.58	2.61	2.56	2.56	62.07	68.04	67.33	67.33	0.00	0.00	-0.71	-1.04
South Asia	41.74	43.61	44.57	44.37	1.11	1.04	1.01	1.01	46.48	45.35	44.82	44.82	0.00	0.00	-0.53	-1.16
India	38.49	40.19	40.40	40.40	1.10	1.03	0.99	0.99	42.15	41.39	39.86	39.86	0.00	0.00	-1.53	-3.69
Pakistan	2.53	2.49	3.26	3.06	1.31	1.08	1.14	1.22	3.31	2.69	3.72	3.72	0.00	0.00	1.02	37.97
European Union	11.09	12.35	12.59	12.60	2.80	2.58	2.71	2.71	31.08	31.86	34.06	34.15	0.09	0.27	2.29	7.20
United Kingdom	0.31	0.36	0.41	0.39	3.20	3.74	3.16	3.14	0.98	1.36	1.30	1.23	-0.07	-5.41	-0.14	-9.99
Former Soviet Union - 12	27.82	27.67	28.69	28.69	1.89	1.87	1.93	1.99	52.66	51.88	55.44	57.05	1.61	2.90	5.18	9.98
Russia	14.23	14.74	14.95	14.95	1.62	1.80	1.81	1.85	23.11	26.55	27.00	27.70	0.70	2.59	1.15	4.33
Ukraine	9.58	8.75	9.50	9.50	2.54	2.26	2.43	2.53	24.32	19.80	23.10	24.00	0.90	3.90	4.20	21.21
Uzbekistan	1.08	1.09	1.05	1.05	1.10	1.24	1.13	1.13	1.19	1.35	1.19	1.19	0.00	0.00	-0.16	-11.82
Canada	11.06	10.75	11.08	11.08	1.86	2.36	2.22	2.22	20.55	25.32	24.58	24.58	0.00	0.00	-0.75	-2.95
Africa	25.07	24.24	24.38	24.29	0.98	1.05	1.07	1.06	24.67	25.39	26.02	25.79	-0.23	-0.88	0.41	1.60
Nigeria	4.97	4.87	4.87	4.87	1.11	1.15	1.15	1.15	5.50	5.61	5.60	5.60	0.00	0.00	-0.01	-0.25
South Africa	1.76	1.88	1.98	1.90	1.92	2.02	2.03	1.99	3.37	3.80	4.02	3.79	-0.23	-5.73	-0.01	-0.34
Tanzania	1.34	1.36	1.47	1.47	0.90	0.91	0.87	0.87	1.21	1.23	1.28	1.28	0.00	0.00	0.04	3.49
Southeast Asia	3.12	3.08	3.05	3.05	1.36	1.36	1.39	1.39	4.23	4.18	4.23	4.23	0.00	0.00	0.05	1.12
Burma	1.95	1.94	1.95	1.95	1.16	1.18	1.24	1.24	2.25	2.28	2.41	2.41	0.00	0.00	0.13	5.47
Indonesia	0.90	0.87	0.84	0.84	1.55	1.52	1.49	1.49	1.39	1.32	1.26	1.26	0.00	0.00	-0.07	-4.92
Australia	3.94	4.61	4.02	4.02	2.20	2.19	1.67	1.67	8.68	10.11	6.73	6.73	0.00	0.00	-3.39	-33.48
Turkey	1.32	1.48	1.26	1.26	2.55	2.69	2.49	2.49	3.37	3.98	3.14	3.14	0.00	0.00	-0.84	-21.16
Others	1.75	1.78	1.77	1.70	2.06	2.02	2.16	2.19	3.62	3.59	3.82	3.73	-0.09	-2.43	0.14	3.76

World Total and Total Foreign: (Major Oilseeds plus copra and palm kernel) Major Oilseeds: (soybeans, sunflowerseeds, peanuts(inshell), cottonseed and rapeseed)

Table 11 Soybean Area, Yield, and Production

Country / Region	Area (Million hectares)				Yield (Metric tons per hectare)				Production (Million metric tons)				Change in Production			
	Prel. 2021/22	2022/23	2023/24 Proj. Oct	Nov	Prel. 2021/22	2022/23	2023/24 Proj. Oct	Nov	Prel. 2021/22	2022/23	2023/24 Proj. Oct	Nov	From last month MMT	Percent	From last year MMT	Percent
World	131.45	136.23	139.23	139.05	2.74	2.73	2.87	2.88	360.43	372.24	399.50	400.42	0.92	0.23	28.19	7.57
United States	34.93	34.87	33.50	33.50	3.48	3.33	3.33	3.35	121.53	116.22	111.70	112.39	0.68	0.61	-3.83	-3.30
Total Foreign	96.52	101.36	105.73	105.55	2.48	2.53	2.72	2.73	238.91	256.02	287.80	288.04	0.24	0.08	32.02	12.51
South America																
Brazil	41.60	44.10	45.60	45.60	3.14	3.58	3.57	3.57	130.50	158.00	163.00	163.00	0.00	0.00	5.00	3.16
Argentina	15.90	14.40	16.40	16.40	2.76	1.74	2.93	2.93	43.90	25.00	48.00	48.00	0.00	0.00	23.00	92.00
Paraguay	3.42	3.60	3.55	3.55	1.22	2.51	2.82	2.82	4.18	9.05	10.00	10.00	0.00	0.00	0.95	10.50
Bolivia	1.53	1.48	1.50	1.50	2.27	2.17	2.20	2.20	3.46	3.20	3.30	3.30	0.00	0.00	0.10	3.13
Uruguay	1.16	0.93	1.28	1.28	2.80	0.75	2.27	2.27	3.23	0.70	2.90	2.90	0.00	0.00	2.20	314.29
East Asia																
China	8.42	10.24	10.45	10.45	1.95	1.98	1.96	1.96	16.40	20.28	20.50	20.50	0.00	0.00	0.22	1.08
Korea, South	0.05	0.06	0.07	0.07	2.06	2.03	1.93	1.93	0.11	0.13	0.13	0.13	0.00	0.00	0.00	0.77
Korea, North	0.17	0.16	0.16	0.16	1.15	1.15	1.15	1.15	0.19	0.18	0.18	0.18	0.00	0.00	0.00	0.00
Japan	0.15	0.15	0.16	0.16	1.63	1.58	1.63	1.63	0.24	0.24	0.25	0.25	0.00	0.00	0.02	6.30
India	12.15	13.08	13.00	13.00	0.98	0.95	0.85	0.85	11.89	12.41	11.00	11.00	0.00	0.00	-1.41	-11.37
Canada	2.08	2.12	2.25	2.25	2.99	3.09	2.98	2.98	6.22	6.54	6.70	6.70	0.00	0.00	0.16	2.40
Former Soviet Union - 12																
Russia	2.99	3.36	3.45	3.45	1.59	1.79	1.74	1.80	4.76	6.00	6.00	6.20	0.20	3.33	0.20	3.40
Ukraine	1.44	1.82	2.00	2.00	2.64	2.25	2.40	2.60	3.80	4.10	4.80	5.20	0.40	8.33	1.10	26.83
European Union	1.01	1.13	1.10	1.10	2.82	2.26	2.79	2.80	2.83	2.55	3.05	3.07	0.02	0.49	0.52	20.24
Southeast Asia																
Indonesia	0.35	0.33	0.32	0.32	1.21	1.18	1.17	1.17	0.43	0.39	0.38	0.38	0.00	0.00	-0.02	-3.85
Vietnam	0.03	0.03	0.03	0.03	1.61	1.60	1.61	1.61	0.05	0.05	0.05	0.05	0.00	0.00	0.00	-6.25
Thailand	0.03	0.03	0.03	0.03	1.63	1.63	1.63	1.63	0.05	0.05	0.05	0.05	0.00	0.00	0.00	0.00
Burma	0.13	0.13	0.12	0.12	1.04	1.04	1.04	1.04	0.14	0.13	0.13	0.13	0.00	0.00	-0.01	-3.85
Serbia	0.24	0.24	0.24	0.24	2.28	1.70	2.77	2.77	0.54	0.40	0.65	0.65	0.00	0.00	0.25	62.91
Mexico	0.18	0.12	0.15	0.10	1.57	1.52	1.57	1.60	0.29	0.18	0.24	0.16	-0.08	-31.91	-0.02	-8.57
Africa																
South Africa	0.93	1.15	1.20	1.07	2.41	2.40	2.33	2.34	2.23	2.76	2.80	2.50	-0.30	-10.71	-0.26	-9.26
Nigeria	1.20	1.20	1.15	1.15	0.93	0.98	1.00	1.00	1.12	1.18	1.15	1.15	0.00	0.00	-0.03	-2.54
Zambia	0.30	0.38	0.38	0.38	1.35	1.27	1.27	1.27	0.41	0.48	0.48	0.48	0.00	0.00	0.00	0.00
Uganda	0.17	0.17	0.17	0.17	1.20	1.18	1.18	1.18	0.20	0.20	0.20	0.20	0.00	0.00	0.00	0.00
Middle East																
Iran	0.07	0.08	0.07	0.07	2.29	2.27	2.36	2.36	0.16	0.17	0.17	0.17	0.00	0.00	-0.01	-2.94
Turkey	0.03	0.04	0.03	0.03	3.91	4.14	4.12	4.12	0.13	0.15	0.14	0.14	0.00	0.00	-0.01	-3.45
Others	0.82	0.86	0.89	0.89	1.78	1.77	1.76	1.76	1.46	1.53	1.57	1.57	0.00	0.00	0.05	3.01

World and Selected Countries and Regions

Table 12 Cottonseed Area, Yield, and Production

Country / Region	Area (Million hectares)				Yield (Metric tons per hectare)				Production (Million metric tons)				Change in Production			
	Prel. 2021/22		2023/24 Proj. Oct Nov		Prel. 2021/22		2023/24 Proj. Oct Nov		Prel. 2021/22		2023/24 Proj. Oct Nov		From last month MMT Percent		From last year MMT Percent	
World	31.81	31.22	31.38	31.29	1.30	1.37	1.32	1.33	41.51	42.68	41.32	41.50	0.18	0.44	-1.18	-2.76
United States	4.16	2.96	3.25	3.25	1.16	1.35	1.09	1.11	4.83	4.01	3.54	3.62	0.08	2.18	-0.39	-9.74
Total Foreign	27.65	28.26	28.13	28.04	1.33	1.37	1.34	1.35	36.68	38.68	37.79	37.89	0.10	0.27	-0.79	-2.03
South Asia																
India	12.37	12.93	12.70	12.70	0.83	0.86	0.84	0.84	10.32	11.17	10.61	10.61	0.00	0.00	-0.55	-4.94
Pakistan	2.00	1.80	2.60	2.40	1.30	0.94	1.08	1.17	2.60	1.69	2.82	2.82	0.00	0.00	1.13	66.73
China	3.10	3.15	2.90	2.90	3.39	3.82	3.65	3.65	10.50	12.03	10.58	10.58	0.00	0.00	-1.45	-12.05
Former Soviet Union - 12																
Uzbekistan	1.06	1.07	1.03	1.03	1.06	1.21	1.10	1.10	1.12	1.29	1.14	1.14	0.00	0.00	-0.16	-12.14
Turkmenistan	0.55	0.55	0.55	0.55	0.64	0.64	0.64	0.64	0.35	0.35	0.35	0.35	0.00	0.00	0.00	0.00
Tajikistan	0.17	0.17	0.17	0.17	1.09	1.11	1.15	1.15	0.19	0.19	0.20	0.20	0.00	0.00	0.01	3.72
Kazakhstan	0.11	0.13	0.12	0.12	0.84	1.05	0.88	0.88	0.09	0.13	0.11	0.11	0.00	0.00	-0.03	-19.85
South America																
Brazil	1.37	1.60	1.66	1.66	2.62	2.43	2.91	2.91	3.59	3.89	4.83	4.83	0.00	0.00	0.94	24.24
Argentina	0.48	0.51	0.45	0.53	1.06	1.06	1.05	1.05	0.51	0.55	0.47	0.56	0.08	17.83	0.01	1.83
Middle East																
Turkey	0.45	0.56	0.44	0.44	2.76	2.88	2.60	2.60	1.24	1.60	1.14	1.14	0.00	0.00	-0.46	-28.56
Syria	0.03	0.03	0.03	0.03	2.20	2.20	2.20	2.20	0.06	0.06	0.06	0.06	0.00	0.00	0.00	0.00
Iran	0.10	0.10	0.10	0.10	1.35	1.35	1.18	1.18	0.14	0.14	0.12	0.12	0.00	0.00	-0.02	-12.59
Australia	0.64	0.65	0.47	0.47	2.77	2.68	3.29	3.29	1.76	1.74	1.53	1.53	0.00	0.00	-0.21	-12.06
European Union	0.32	0.31	0.25	0.25	1.66	1.70	1.45	1.34	0.53	0.53	0.36	0.34	-0.02	-6.63	-0.19	-35.62
Africa																
Burkina Faso	0.60	0.62	0.49	0.49	0.45	0.35	0.39	0.39	0.27	0.21	0.19	0.19	0.00	0.00	-0.02	-9.81
Mali	0.72	0.60	0.70	0.70	0.56	0.35	0.50	0.50	0.40	0.21	0.35	0.35	0.00	0.00	0.15	69.71
Cameroon	0.23	0.23	0.25	0.25	1.39	1.29	1.33	1.33	0.32	0.30	0.33	0.33	0.00	0.00	0.03	8.33
Cote d'Ivoire	0.47	0.41	0.39	0.39	0.60	0.29	0.52	0.52	0.28	0.12	0.20	0.20	0.00	0.00	0.08	70.59
Benin	0.64	0.57	0.53	0.53	0.73	0.64	0.73	0.73	0.47	0.36	0.39	0.39	0.00	0.00	0.02	6.59
Tanzania	0.34	0.36	0.47	0.47	0.33	0.37	0.38	0.38	0.11	0.13	0.18	0.18	0.00	0.00	0.04	32.58
Egypt	0.09	0.14	0.11	0.11	1.00	0.92	0.96	0.96	0.09	0.13	0.11	0.11	0.00	0.00	-0.02	-17.83
Nigeria	0.27	0.27	0.27	0.27	0.56	0.56	0.56	0.56	0.15	0.15	0.15	0.15	0.00	0.00	0.00	0.00
Uganda	0.10	0.10	0.10	0.10	1.49	1.49	1.49	1.49	0.15	0.15	0.15	0.15	0.00	0.00	0.00	0.00
Zimbabwe	0.25	0.24	0.24	0.24	0.33	0.34	0.34	0.34	0.08	0.08	0.08	0.08	0.00	0.00	0.00	0.00
Sudan	0.20	0.20	0.20	0.20	1.53	1.53	1.53	1.53	0.31	0.31	0.31	0.31	0.00	0.00	0.00	0.00
Mexico	0.15	0.20	0.15	0.14	2.71	2.70	2.51	2.65	0.42	0.54	0.38	0.36	-0.02	-4.79	-0.18	-33.70
Burma	0.16	0.15	0.16	0.16	0.81	0.76	1.25	1.25	0.13	0.11	0.19	0.19	0.00	0.00	0.08	70.18
Others	0.70	0.63	0.63	0.67	0.74	0.84	0.75	0.80	0.52	0.53	0.47	0.53	0.06	12.95	0.01	1.33

World and Selected Countries and Regions

Table 13 Peanut Area, Yield, and Production

Country / Region	Area (Million hectares)				Yield (Metric tons per hectare)				Production (Million metric tons)				Change in Production			
	Prel.		2023/24 Proj.		Prel.		2023/24 Proj.		Prel.		2023/24 Proj.		From last month	From last year		
	2021/22	2022/23	Oct	Nov	2021/22	2022/23	Oct	Nov	2021/22	2022/23	Oct	Nov	MMT	Percent	MMT	Percent
World	30.69	29.01	29.49	29.49	1.69	1.70	1.71	1.71	51.89	49.33	50.52	50.41	-0.11	-0.22	1.09	2.20
United States	0.62	0.56	0.65	0.65	4.63	4.49	4.38	4.19	2.89	2.51	2.83	2.71	-0.12	-4.23	0.20	7.96
Total Foreign	30.06	28.45	28.84	28.84	1.63	1.65	1.65	1.65	49.01	46.81	47.69	47.70	0.01	0.02	0.89	1.89
China	4.81	4.80	4.82	4.82	3.81	3.81	3.86	3.86	18.31	18.30	18.60	18.60	0.00	0.00	0.30	1.64
Africa																
Nigeria	3.50	3.40	3.45	3.45	1.21	1.26	1.25	1.25	4.23	4.28	4.30	4.30	0.00	0.00	0.02	0.37
Sudan	3.94	3.00	3.00	3.00	0.60	0.83	0.83	0.83	2.36	2.50	2.50	2.50	0.00	0.00	0.00	0.00
Senegal	1.21	1.23	1.23	1.23	1.38	1.23	1.40	1.40	1.68	1.50	1.72	1.72	0.00	0.00	0.21	14.18
Cameroon	0.43	0.43	0.43	0.43	1.40	1.40	1.40	1.40	0.60	0.60	0.60	0.60	0.00	0.00	0.00	0.00
Ghana	0.34	0.37	0.37	0.37	1.48	1.65	1.62	1.62	0.50	0.61	0.60	0.60	0.00	0.00	-0.01	-1.80
Chad	0.75	0.76	0.76	0.76	1.06	1.10	1.09	1.09	0.80	0.83	0.83	0.83	0.00	0.00	0.00	0.12
Malawi	0.40	0.40	0.40	0.40	0.88	0.88	0.88	0.88	0.35	0.35	0.35	0.35	0.00	0.00	0.00	0.00
Congo (Kinshasa)	0.52	0.53	0.53	0.53	0.92	0.91	0.91	0.91	0.48	0.48	0.48	0.48	0.00	0.00	0.00	0.00
Niger	0.92	0.97	0.92	0.92	0.56	0.69	0.65	0.65	0.52	0.67	0.60	0.60	0.00	0.00	-0.07	-10.58
Mali	0.44	0.43	0.43	0.43	0.78	1.04	1.00	1.00	0.35	0.44	0.43	0.43	0.00	0.00	-0.02	-4.06
Uganda	0.39	0.35	0.35	0.35	0.65	0.57	0.57	0.57	0.25	0.20	0.20	0.20	0.00	0.00	0.00	0.00
Burkina Faso	0.58	0.63	0.64	0.64	0.83	0.89	0.90	0.90	0.48	0.56	0.58	0.58	0.00	0.00	0.02	2.86
Guinea	0.79	0.90	0.90	0.90	1.15	1.14	1.11	1.11	0.91	1.03	1.00	1.00	0.00	0.00	-0.03	-2.44
Egypt	0.06	0.06	0.06	0.06	3.42	3.20	3.20	3.20	0.21	0.21	0.21	0.21	0.00	0.00	0.00	0.00
Central African Republic	0.13	0.13	0.13	0.13	1.15	1.15	1.15	1.15	0.15	0.15	0.15	0.15	0.00	0.00	0.00	0.00
South Africa	0.04	0.03	0.04	0.04	1.51	2.23	2.00	2.00	0.07	0.07	0.07	0.08	0.01	14.29	0.01	15.94
Mozambique	0.38	0.38	0.38	0.38	0.34	0.34	0.34	0.34	0.13	0.13	0.13	0.13	0.00	0.00	0.00	0.00
Cote d'Ivoire	0.17	0.17	0.17	0.17	1.42	1.47	1.45	1.45	0.23	0.24	0.24	0.24	0.00	0.00	0.00	-1.23
Benin	0.17	0.17	0.18	0.18	1.05	0.96	0.97	0.97	0.18	0.16	0.18	0.18	0.00	0.00	0.01	6.71
South Asia																
India	5.71	4.96	5.30	5.30	1.52	1.27	1.21	1.21	8.70	6.30	6.40	6.40	0.00	0.00	0.10	1.59
Pakistan	0.15	0.13	0.13	0.13	0.94	0.88	0.88	0.88	0.15	0.12	0.12	0.12	0.00	0.00	0.00	0.00
Southeast Asia																
Indonesia	0.55	0.54	0.52	0.52	1.76	1.72	1.69	1.69	0.96	0.93	0.88	0.88	0.00	0.00	-0.05	-5.38
Burma	1.06	1.07	1.07	1.07	1.51	1.55	1.59	1.59	1.60	1.65	1.70	1.70	0.00	0.00	0.05	3.03
Vietnam	0.16	0.16	0.15	0.15	2.58	2.58	2.60	2.60	0.41	0.40	0.39	0.39	0.00	0.00	-0.01	-2.50
Thailand	0.02	0.02	0.02	0.02	1.67	1.67	1.67	1.67	0.04	0.04	0.04	0.04	0.00	0.00	0.00	0.00
South America																
Argentina	0.41	0.37	0.38	0.38	3.29	2.59	3.47	3.47	1.34	0.96	1.32	1.32	0.00	0.00	0.36	37.07
Brazil	0.22	0.22	0.24	0.24	4.09	4.05	3.79	3.79	0.90	0.89	0.89	0.89	0.00	0.00	0.00	0.00
Mexico	0.06	0.05	0.05	0.05	1.63	1.87	1.74	1.74	0.10	0.10	0.09	0.09	0.00	0.00	-0.01	-8.91
Others	1.77	1.80	1.80	1.80	1.16	1.17	1.17	1.17	2.06	2.11	2.12	2.12	0.00	0.00	0.01	0.33

World and Selected Countries and Regions

Foreign Agricultural Service/USDA
Global Market Analysis

Table 14 Sunflowerseed Area, Yield, and Production

Country / Region	Area (Million hectares)				Yield (Metric tons per hectare)				Production (Million metric tons)				Change in Production			
	Prel. 2021/22	2022/23	2023/24 Proj. Oct	Nov	Prel. 2021/22	2022/23	2023/24 Proj. Oct	Nov	Prel. 2021/22	2022/23	2023/24 Proj. Oct	Nov	From last month MMT	Percent	From last year MMT	Percent
World	28.55	28.01	28.43	28.47	1.99	1.87	1.98	2.00	56.86	52.38	56.42	56.98	0.56	0.99	4.60	8.78
United States	0.50	0.65	0.51	0.51	1.71	1.96	1.95	1.95	0.86	1.28	1.00	1.00	0.00	0.00	-0.28	-21.96
Total Foreign	28.04	27.36	27.92	27.96	2.00	1.87	1.99	2.00	55.99	51.11	55.43	55.99	0.56	1.01	4.88	9.55
Former Soviet Union - 12																
Russia	9.61	9.11	9.50	9.50	1.62	1.78	1.84	1.84	15.57	16.25	17.50	17.50	0.00	0.00	1.25	7.67
Ukraine	7.10	5.70	6.00	6.00	2.46	2.14	2.33	2.42	17.50	12.20	14.00	14.50	0.50	3.57	2.30	18.85
Kazakhstan	0.94	1.09	1.15	1.15	1.10	1.20	1.04	1.04	1.03	1.30	1.20	1.20	0.00	0.00	-0.10	-7.98
European Union	4.37	4.98	4.96	4.96	2.36	1.84	2.15	2.15	10.33	9.17	10.65	10.65	0.00	0.00	1.48	16.19
South America																
Argentina	1.96	2.45	2.30	2.30	2.07	2.05	2.04	2.04	4.05	5.02	4.70	4.70	0.00	0.00	-0.32	-6.36
Uruguay	0.01	0.01	0.01	0.01	2.00	0.91	0.92	0.92	0.01	0.01	0.01	0.01	0.00	0.00	0.00	10.00
Bolivia	0.16	0.13	0.13	0.13	1.32	1.27	1.35	1.35	0.21	0.17	0.18	0.18	0.00	0.00	0.01	6.06
Brazil	0.04	0.04	0.04	0.04	1.03	1.56	1.55	1.55	0.04	0.06	0.07	0.07	0.00	0.00	0.00	1.56
Paraguay	0.03	0.03	0.03	0.03	1.55	1.56	1.50	1.50	0.05	0.05	0.05	0.05	0.00	0.00	-0.01	-10.00
China	0.70	0.60	0.80	0.80	3.06	3.17	2.81	2.81	2.15	1.90	2.25	2.25	0.00	0.00	0.35	18.42
South Asia																
India	0.27	0.36	0.20	0.20	0.52	0.59	0.75	0.75	0.14	0.22	0.15	0.15	0.00	0.00	-0.07	-30.23
Pakistan	0.05	0.11	0.10	0.10	1.58	1.35	1.35	1.35	0.08	0.15	0.14	0.14	0.00	0.00	-0.01	-8.78
Middle East																
Turkey	0.76	0.79	0.70	0.70	2.30	2.41	2.21	2.21	1.75	1.90	1.55	1.55	0.00	0.00	-0.35	-18.42
Iran	0.04	0.04	0.04	0.04	1.00	1.02	1.05	1.05	0.04	0.04	0.04	0.04	0.00	0.00	0.00	-2.27
Israel	0.00	0.00	0.00	0.00	2.00	5.00	4.00	4.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	-20.00
Africa																
Egypt	0.01	0.02	0.02	0.02	2.38	2.53	2.50	2.50	0.02	0.04	0.05	0.05	0.00	0.00	0.01	31.58
Morocco	0.02	0.02	0.02	0.02	1.25	1.11	1.27	1.27	0.03	0.02	0.03	0.03	0.00	0.00	0.01	40.00
South Africa	0.67	0.56	0.60	0.64	1.26	1.31	1.46	1.46	0.85	0.73	0.88	0.94	0.06	6.86	0.21	28.08
Burma	0.60	0.60	0.60	0.60	0.65	0.65	0.65	0.65	0.39	0.39	0.39	0.39	0.00	0.00	0.00	0.00
Canada	0.04	0.04	0.03	0.03	2.03	2.21	2.21	2.21	0.08	0.08	0.08	0.08	0.00	0.00	-0.01	-10.71
Australia	0.02	0.03	0.03	0.03	1.58	1.48	1.48	1.48	0.03	0.04	0.04	0.04	0.00	0.00	0.00	0.00
Others	0.63	0.66	0.66	0.66	2.59	2.07	2.28	2.28	1.64	1.37	1.50	1.50	0.00	0.00	0.13	9.52

World and Selected Countries and Regions

Table 15 Rapeseed Area, Yield, and Production

Country / Region	Area (Million hectares)				Yield (Metric tons per hectare)				Production (Million metric tons)				Change in Production			
	Prel. 2021/22	2022/23	2023/24 Proj. Oct	Nov	Prel. 2021/22	2022/23	2023/24 Proj. Oct	Nov	Prel. 2021/22	2022/23	2023/24 Proj. Oct	Nov	From last month MMT	Percent	From last year MMT	Percent
World	38.46	41.91	42.39	42.39	1.97	2.12	2.01	2.02	75.79	88.81	85.04	85.58	0.54	0.64	-3.24	-3.64
United States	0.85	0.88	0.94	0.94	1.46	1.98	1.95	1.95	1.24	1.74	1.83	1.83	0.00	0.00	0.09	5.11
Total Foreign	37.61	41.03	41.45	41.45	1.98	2.12	2.01	2.02	74.54	87.07	83.21	83.75	0.54	0.65	-3.32	-3.82
European Union	5.39	5.94	6.28	6.30	3.22	3.31	3.18	3.19	17.39	19.62	20.00	20.10	0.10	0.50	0.48	2.45
United Kingdom	0.31	0.36	0.41	0.39	3.20	3.74	3.16	3.14	0.98	1.36	1.30	1.23	-0.07	-5.41	-0.14	-9.99
Switzerland	0.02	0.02	0.02	0.02	3.14	3.14	3.14	3.14	0.07	0.07	0.07	0.07	0.00	0.00	0.00	0.00
Canada	8.95	8.60	8.80	8.80	1.59	2.17	2.02	2.02	14.25	18.70	17.80	17.80	0.00	0.00	-0.90	-4.79
China	6.99	7.27	7.35	7.35	2.10	2.14	2.10	2.10	14.71	15.53	15.40	15.40	0.00	0.00	-0.13	-0.84
South Asia																
India	7.99	8.85	9.20	9.20	1.39	1.28	1.27	1.27	11.10	11.30	11.70	11.70	0.00	0.00	0.40	3.54
Pakistan	0.32	0.45	0.43	0.43	1.50	1.64	1.53	1.53	0.48	0.74	0.65	0.65	0.00	0.00	-0.09	-12.16
Bangladesh	0.61	0.81	0.80	0.80	1.35	1.30	1.29	1.29	0.82	1.05	1.03	1.03	0.00	0.00	-0.02	-1.90
Former Soviet Union - 12																
Russia	1.62	2.27	2.00	2.00	1.71	1.89	1.75	2.00	2.78	4.30	3.50	4.00	0.50	14.29	-0.30	-6.98
Ukraine	1.04	1.23	1.50	1.50	2.91	2.85	2.87	2.87	3.02	3.50	4.30	4.30	0.00	0.00	0.80	22.86
Belarus	0.39	0.36	0.40	0.40	1.83	2.22	2.25	2.25	0.72	0.80	0.90	0.90	0.00	0.00	0.10	12.50
Kazakhstan	0.12	0.13	0.13	0.13	1.24	1.48	1.15	1.15	0.15	0.19	0.15	0.15	0.00	0.00	-0.04	-20.63
Australia	3.25	3.90	3.50	3.50	2.10	2.12	1.46	1.46	6.82	8.27	5.10	5.10	0.00	0.00	-3.17	-38.35
South America																
Chile	0.04	0.03	0.04	0.04	3.86	3.79	3.82	3.82	0.14	0.13	0.15	0.15	0.00	0.00	0.02	16.00
Paraguay	0.04	0.05	0.04	0.04	1.45	1.51	1.50	1.50	0.06	0.07	0.06	0.06	0.00	0.00	-0.01	-7.35
Ethiopia	0.03	0.03	0.03	0.03	1.80	1.80	1.80	1.80	0.05	0.05	0.05	0.05	0.00	0.00	0.00	0.00
Others	0.51	0.74	0.53	0.53	2.02	1.90	2.01	2.01	1.03	1.41	1.06	1.07	0.01	0.94	-0.34	-23.88

World and Selected Countries and Regions

Table 16 Copra, Palm Kernel, and Palm Oil Production

Country / Region	Production (Million metric tons)				Change in Production			
	Prel. 2021/22	2022/23	2023/24 Proj. Oct	Nov	From last month		From last year	
	MMT	Percent	MMT	Percent				
Oilseed, Copra								
Philippines	2.60	2.60	2.70	2.70	0.00	0.00	0.10	3.85
Indonesia	1.68	1.68	1.69	1.69	0.00	0.00	0.01	0.60
India	0.94	0.94	0.94	0.94	0.00	0.00	0.00	0.00
Vietnam	0.29	0.29	0.29	0.29	0.00	0.00	0.00	0.00
Papua New Guinea	0.11	0.11	0.11	0.11	0.00	0.00	0.00	0.00
Thailand	0.09	0.09	0.09	0.09	0.00	0.00	0.00	0.00
Sri Lanka	0.11	0.07	0.07	0.07	0.00	0.00	0.00	0.00
Mexico	0.05	0.05	0.05	0.05	0.00	0.00	0.00	0.00
Solomon Islands	0.03	0.03			0.00	0.00	-0.03	0.00
Cote d'Ivoire	0.03	0.03	0.03	0.03	0.00	0.00	0.00	0.00
World	6.07	6.03	6.05	6.05	0.00	0.00	0.02	0.33
Oilseed, Palm Kernel								
Indonesia	11.20	11.80	12.00	12.00	0.00	0.00	0.20	1.69
Malaysia	4.45	4.49	4.70	4.70	0.00	0.00	0.21	4.68
Nigeria	0.90	0.90	1.10	1.10	0.00	0.00	0.20	22.22
Thailand	0.83	0.86	0.86	0.86	0.00	0.00	0.00	0.00
Colombia	0.32	0.33	0.35	0.35	0.00	0.00	0.02	6.06
Guatemala	0.18	0.18	0.18	0.18	0.00	0.00	0.00	0.00
Papua New Guinea	0.17	0.17	0.18	0.18	0.00	0.00	0.01	5.88
Honduras	0.16	0.16	0.16	0.16	0.00	0.00	0.00	0.00
Brazil	0.15	0.15	0.16	0.16	0.00	0.00	0.01	6.67
Cameroon	0.15	0.15	0.15	0.15	0.00	0.00	0.00	0.00
World	19.14	19.87	20.51	20.51	0.00	0.00	0.64	3.22
Oil, Palm								
Indonesia	42.00	46.00	47.00	47.00	0.00	0.00	1.00	2.17
Malaysia	18.15	18.39	19.00	19.00	0.00	0.00	0.61	3.32
Thailand	3.38	3.42	3.45	3.45	0.00	0.00	0.03	0.88
Colombia	1.76	1.80	1.90	1.90	0.00	0.00	0.10	5.56
Nigeria	1.40	1.40	1.50	1.50	0.00	0.00	0.10	7.14
Guatemala	0.88	0.91	0.92	0.92	0.00	0.00	0.01	1.10
Papua New Guinea	0.72	0.78	0.80	0.80	0.00	0.00	0.02	2.56
Cote d'Ivoire	0.58	0.60	0.60	0.60	0.00	0.00	0.00	0.00
Honduras	0.60	0.60	0.60	0.60	0.00	0.00	0.00	0.00
Brazil	0.55	0.57	0.59	0.59	0.00	0.00	0.01	1.75
World	72.96	77.56	79.46	79.46	0.00	0.00	1.90	2.45

World and Selected Countries and Regions

Table 17 Cotton Area, Yield, and Production

Country / Region	Area (Million hectares)				Yield (Kilograms per hectare)				Production (Million 480 lb. bales)				Change in Production			
	Prel. 2021/22	2022/23	2023/24 Proj. Oct	Nov	Prel. 2021/22	2022/23	2023/24 Proj. Oct	Nov	Prel. 2021/22	2022/23	2023/24 Proj. Oct	Nov	From last month MBales	Percent	From last year MBales	Percent
World	32.33	31.75	31.94	32.01	771	800	768	772	114.55	116.65	112.60	113.46	0.86	0.76	-3.19	-2.73
United States	4.16	2.96	3.25	3.25	918	1,065	860	878	17.52	14.47	12.82	13.09	0.27	2.13	-1.38	-9.52
Total Foreign	28.17	28.79	28.70	28.76	750	773	757	760	97.03	102.18	99.79	100.37	0.58	0.58	-1.81	-1.77
South Asia																
India	12.37	12.93	12.70	12.70	428	443	429	429	24.30	26.30	25.00	25.00	0.00	0.00	-1.30	-4.94
Pakistan	2.00	1.80	2.60	2.40	653	472	544	590	6.00	3.90	6.50	6.50	0.00	0.00	2.60	66.67
China	3.10	3.15	2.90	2.90	1,882	2,122	2,027	2,027	26.80	30.70	27.00	27.00	0.00	0.00	-3.70	-12.05
South America																
Brazil	1.37	1.60	1.66	1.66	1,720	1,595	1,910	1,910	10.82	11.72	14.56	14.56	0.00	0.00	2.84	24.23
Argentina	0.48	0.51	0.45	0.53	624	627	617	616	1.38	1.48	1.28	1.50	0.23	17.65	0.03	1.69
Paraguay	0.02	0.05	0.03	0.07	527	890	806	855	0.05	0.18	0.10	0.28	0.18	175.00	0.09	49.46
Africa																
Burkina Faso	0.60	0.62	0.49	0.49	351	273	311	311	0.96	0.78	0.70	0.70	0.00	0.00	-0.08	-9.68
Mali	0.72	0.60	0.70	0.70	432	269	389	389	1.43	0.74	1.25	1.25	0.00	0.00	0.52	70.07
Cote d'Ivoire	0.47	0.41	0.39	0.39	486	236	424	424	1.05	0.45	0.76	0.76	0.00	0.00	0.32	70.79
Benin	0.64	0.57	0.53	0.53	483	418	483	483	1.42	1.10	1.18	1.18	0.00	0.00	0.08	6.82
Egypt	0.09	0.14	0.11	0.11	717	661	693	693	0.28	0.43	0.35	0.35	0.00	0.00	-0.08	-17.65
Cameroon	0.23	0.23	0.25	0.25	606	563	578	578	0.64	0.60	0.65	0.65	0.00	0.00	0.05	8.33
Tanzania	0.34	0.36	0.47	0.47	164	184	220	220	0.26	0.31	0.47	0.47	0.00	0.00	0.17	54.10
Nigeria	0.27	0.27	0.27	0.27	282	282	282	282	0.35	0.35	0.35	0.35	0.00	0.00	0.00	0.00
Zimbabwe	0.25	0.24	0.24	0.24	191	195	195	195	0.22	0.22	0.22	0.22	0.00	0.00	0.00	0.00
Ethiopia	0.05	0.05	0.06	0.06	687	726	713	713	0.16	0.18	0.18	0.18	0.00	0.00	0.00	0.00
Former Soviet Union - 12																
Uzbekistan	1.06	1.07	1.03	1.03	588	671	613	613	2.87	3.30	2.90	2.90	0.00	0.00	-0.40	-12.12
Turkmenistan	0.55	0.55	0.55	0.55	356	356	356	356	0.90	0.90	0.90	0.90	0.00	0.00	0.00	0.00
Tajikistan	0.17	0.17	0.17	0.17	608	615	640	640	0.48	0.48	0.50	0.50	0.00	0.00	0.02	4.17
Kazakhstan	0.11	0.13	0.12	0.12	467	584	490	490	0.24	0.34	0.27	0.27	0.00	0.00	-0.07	-19.40
Middle East																
Turkey	0.45	0.56	0.44	0.44	1,839	1,922	1,732	1,732	3.80	4.90	3.50	3.50	0.00	0.00	-1.40	-28.57
Syria	0.03	0.03	0.03	0.03	1,132	1,132	1,132	1,132	0.13	0.13	0.13	0.13	0.00	0.00	0.00	0.00
Iran	0.10	0.10	0.10	0.10	871	871	762	762	0.40	0.40	0.35	0.35	0.00	0.00	-0.05	-12.50
Australia	0.64	0.65	0.47	0.47	2,006	1,943	2,388	2,388	5.85	5.80	5.10	5.10	0.00	0.00	-0.70	-12.07
Mexico	0.15	0.20	0.15	0.14	1,725	1,720	1,597	1,693	1.22	1.58	1.10	1.05	-0.05	-4.55	-0.53	-33.54
Burma	0.16	0.15	0.16	0.16	660	653	660	660	0.48	0.45	0.47	0.47	0.00	0.00	0.02	4.44
Others	1.77	1.67	1.66	1.82	561	586	529	510	4.56	4.49	4.03	4.26	0.23	5.76	-0.23	-5.14

World and Selected Countries and Regions

TABLE 18

The table below presents a record of the November projection and the final Estimate. Using world wheat production as an example, the "root mean square error" means that chances are 2 out of 3 that the current forecast will not be above or below the final estimate by more than 1.2 percent. Chances are 9 out of 10 (90% confidence level) that the difference will not exceed 1.9 percent. The average difference between the November projection and the final estimate is 5.3 million tons, ranging from 0.1 million to 18.1 million tons. The November projection has been below the estimate 31 times and above 11 times.

RELIABILITY OF PRODUCTION PROJECTIONS 1/

COMMODITY AND REGION	Root mean square error	90 percent confidence interval	Difference between forecast and final estimate				Years	
			Average	Smallest	Largest	Years		
						Below final	Above final	
			Percent				---Million metric tons---	
WHEAT								
World	1.2	1.9	5.3	0.1	18.1	31	11	
U.S.	0.4	0.7	0.1	0.0	1.2	21	13	
Foreign	1.3	2.2	5.3	0.0	18.2	31	11	
COARSE GRAINS 2/								
World	1.5	2.6	13.3	0.2	47.3	31	11	
U.S.	1.3	2.3	2.6	0.0	9.9	19	23	
Foreign	2.1	3.6	13.1	0.2	48.8	31	11	
RICE (Milled)								
World	2.0	3.4	5.8	0.1	16.8	35	7	
U.S.	2.8	4.7	0.1	0.0	0.5	20	19	
Foreign	2.1	3.5	5.8	0.2	16.9	35	7	
SOYBEANS								
World	4.1	6.9	6.7	0.0	28.3	24	18	
U.S.	2.1	3.6	1.2	0.1	4.7	18	24	
Foreign	6.7	11.2	6.5	0.0	29.4	21	21	
COTTON			---Million 480-lb. bales---					
World	3.5	6.0	2.5	0.1	9.3	24	18	
U.S.	4.0	6.7	0.5	0.0	2.5	20	21	
Foreign	4.1	6.8	2.4	0.1	8.9	25	17	
UNITED STATES			-----Million bushels-----					
<i>CORN</i>	1.3	2.3	97	0	396	20	21	
<i>SORGHUM</i>	5.7	9.5	15	1	53	21	21	
<i>BARLEY</i>	1.5	2.6	4	0	24	20	10	
<i>OATS</i>	1.1	1.8	2	0	18	8	9	

1/ Marketing years 1981/82 through 2022/23 for grains, soybeans, and cotton. Final for grains, soybeans, and cotton is defined as the first November estimate following the marketing year for 1981/82 through 2021/22, and for 2022/23 the last month's estimate.

2/ Includes corn, sorghum, barley, oats, rye, millet, and mixed grain